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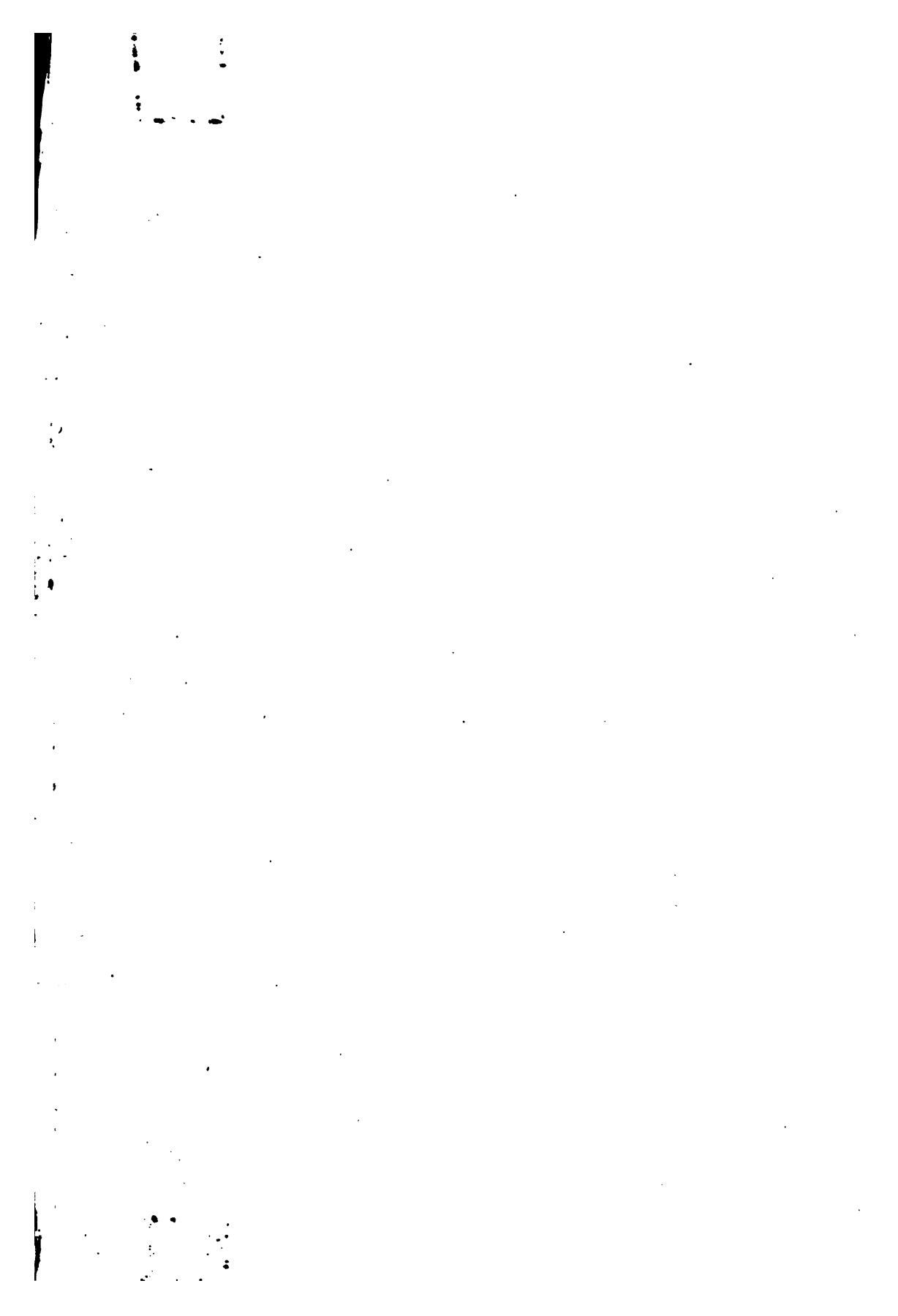
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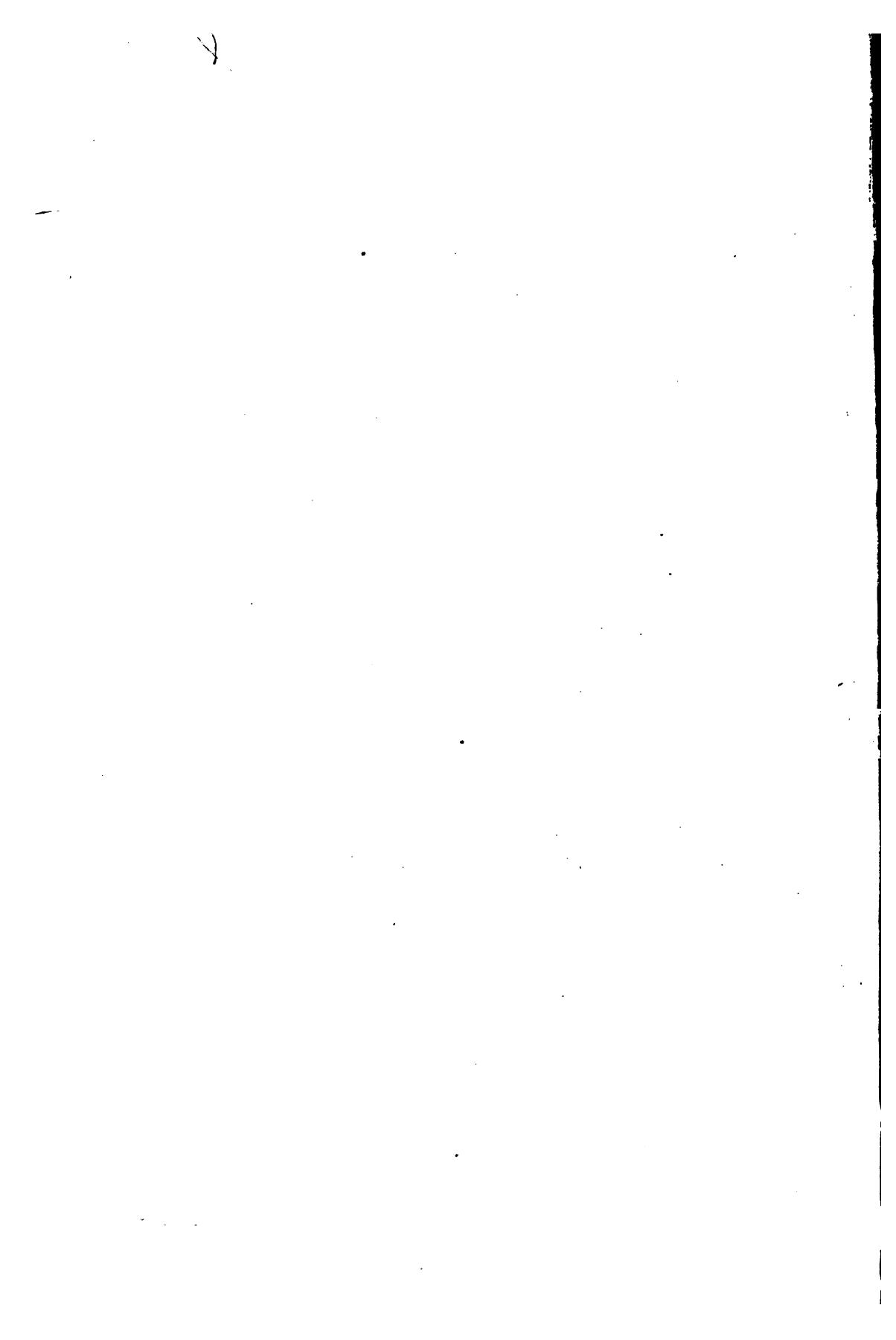
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JOURNAL OF EDUCATIONAL RESEARCH MONOGRAPHS
B. R. BUCKINGHAM, Editor

No. 3

June, 1922

The Iowa Spelling Scales

Their Derivation, Uses, and Limitations

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BLOOMINGTON, ILLINOIS

~~121051-1~~

PE 1146
A7
1922

Oct. 5 - 1922
Harvard University,
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By Public School Publishing Co.
Bloomington, Illinois

ACKNOWLEDGMENTS

This study was undertaken as a direct service to the schools of the State of Iowa through the suggestion of Professor Ernest Horn, to whom I owe the greatest debt of gratitude for continuous encouragement and helpful criticism.

I wish to thank the superintendents, teachers and pupils who gave so freely of their time and effort in securing the spellings and also the Dean of the Graduate College and the Director of the Extension Division who financed from their budgets the collection and scoring of the data.

Acknowledgments are also made to Dean Russell, Associate Professor Lewis, and Dr. Harry A. Greene for their sympathetic counsel and assistance throughout the progress of the study.

E. J. A.

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INTRODUCTION

The Iowa Spelling Scales have been extensively used. The relatively large number of words included in them and their freedom from excessive statistical manipulation have rightly commended them to practical workers. They have, however, been out of print for some time. Moreover, even those who are fortunate enough to possess the scales in their original form no doubt realize that they are capable of a more useful presentation.

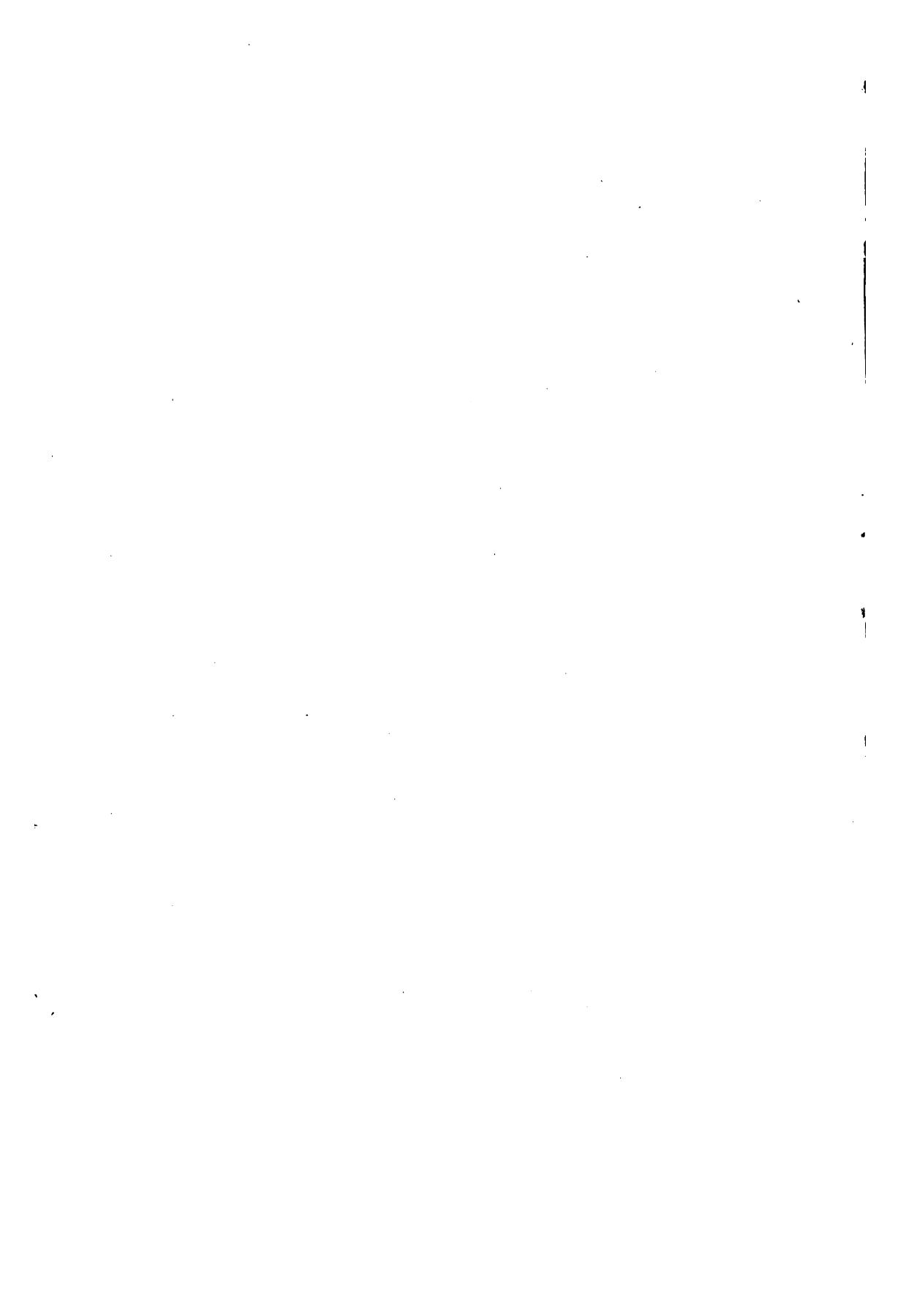
Accordingly this monograph is offered for those who desire a complete representation of the scale in permanent form. The percents of correct spellings in each grade are given for each of the nearly 3,000 words of the scale. Nowhere else has such a detailed showing of the difficulty of the spelling of words been made.

An account is also given of the derivation of the scale; and this is no inconsiderable contribution. The reader will no doubt be impressed by the author's scientific attitude and by his unwillingness to compromise with his ideals of accuracy through adopting all-too-prevalent devices for smoothing out difficulties and then pretending that such difficulties do not exist.

We are glad to observe the position which Doctor Ashbaugh takes on the question of the degree of difficulty of the words which constitute the best testing material. In substance he says that the nearer they are to 50 percent accuracy for the grade in question the better. There has been a strong tendency among users of spelling tests to select words which were much too easy. This tendency has been fostered partly by the fact that the Ayres Scale lists for each grade only the words spelled by 50 percent or more of the children, and partly by the naive desire to see larger figures. Somehow one thinks more highly of a class average of 87 than of one of 46, although the latter may indicate a better performance.

The publication of the Iowa Spelling Scales in this form will place at the disposal of school people a far larger number of evaluated words than have hitherto been generally available. This richness of material will greatly enhance the usefulness of the scale. Duplicate lists can easily be made, and a prolonged program of testing can be carried on without the necessity of making allowance for practice effects. Moreover, the fact that the words of the scale are selected on the basis of frequency of use in correspondence renders the material particularly appropriate for teaching and drill purposes. In fact as a spelling book this monograph has high value. The appropriateness of the words is assured because of their frequent use in correspondence—that is, in the only situation where spelling ability is sure to be required—while the known difficulty of the words permits intelligent grading and distinctions in teaching emphasis.

B. R. BUCKINGHAM, *Editor.*



SECTION I

INTRODUCTION

FIELDS OF EXPERIMENTAL PEDAGOGY

The last two decades have witnessed a large amount of work in the field of experimental pedagogy. This has principally followed three general lines, namely, (1) the selection of subject matter, (2) the determination of efficient methods of teaching or learning, and (3) the formulation of more or less objective measures for checking the results.

The Committee on Economy of Time of the National Education Association through its three reports (1) has done a large amount of work in the selection of subject matter. These reports have challenged the attention of superintendents and the recommendations have been written into numerous courses of study. State Teachers' Associations have taken up the work; their committees have attacked the problem and in many cases have added something to this re-direction of education.

The determination of efficient methods of teaching and learning has appealed to psychologists and teachers. In laboratories and experimental schools much time and effort has been spent in gathering bit by bit the evidence for the different subjects. The experimental evidence in reading, writing, spelling, arithmetic, drawing, and music, and such conclusions as are warranted thereby, have been collected from the various schools and are presented by another committee in the Eighteenth Yearbook. (2) Further consideration will not be given to this field since it is not pertinent to the research in this monograph.

The effort in the third line has brought forth the large number of scales and tests now available. The measurement of progress requires an accurate means of measuring initial status. The comparison of one class with another, or of one school system with another; especially when the testing must be done by different persons, also requires a measuring instrument little influenced by different personalities. One of the goals of the makers of standardized tests and scales has been to obtain an objective measuring instrument as little disturbed as possible by the individual using it.

Perhaps in no subject has there been more experimental work done than in spelling. The subject lends itself to careful study in the fields already designated. The investigations which we wish to review briefly as an introduction to the present study have dealt with two problems: (1) the determination of the vocab-

ulary which should be included in children's spelling, and (2) the derivation of objective scales for the measurement of spelling ability.

STUDIES IN THE DETERMINATION OF VOCABULARY

An examination of the tabulation¹ shown in Table I will reveal the fact that the sources investigated for the selection of spelling vocabularies fall into four general groups; (1) occurrence in reading vocabulary, (2) occurrence in school lessons or classroom work, (3) occurrence in children's compositions, and (4) occurrence in correspondence, usually that of adults.

The first attempt to compare carefully the spelling work of different school systems seems to have been reported by Rice (14) in 1897. In 1895 he sent out a list of fifty words to superintend-

TABLE I. CONSPECTUS OF VOCABULARY STUDIES.

AUTHOR	DATE	SOURCE OF MATERIAL
Knowles, Rev. J. (3)	1904	Passages from the Bible and various authors
Eldridge, E. C. (4)	1911	Articles of Sunday Newspapers
Ayres, L. P. (5)	1913	Personal and Business Letters -
Jones, W. F. (6)	1913	Children's Composition
Cook, W. A. and O'Shea, M. V. (7)	1914	Family Correspondence.
Nicholson, Anne (8) (Editor)	1914	Selected by teachers and supervisors from daily lessons
New Orleans Public School List (9)	1916	Children's School Work
Kansas City Public School List (10)	1916	Selected from pupil's misspelled words and teachers' judgment of words pupils should know how to spell
Houser, J. D. (11)	1916	Letters of farmers
Anderson, W. N. (12)	1917	Written correspondence of Iowa People
Horn, E. (13)	1918	Correspondence of Bankers to Bankers

ents in various sections of the United States. Twenty responded sending in the work of more than 16,000 children. The results of the test showed enormous variations, but a two months' tour spent in visiting the various schools convinced him that much of this variation was due to the peculiar manner in which the examinations had been conducted. Also careful pronunciation of several of the words would have given a clue to the spelling.

¹ This tabulation presents only the more important studies from the different sources. For a more complete list see Anderson, W. N. "The determination of a spelling vocabulary based upon written correspondence." (Dissertation, University of Iowa, 1917.)

For these reasons the results of the test were considered unsatisfactory.

A second test involving fifty words in grades four and five, and seventy-five words in grades six, seven, and eight in sentence-dictation form, was given to 13,000 children in eight school systems. In these cases the tests were given under his personal direction and checked by his assistants.

Dr. Rice made no statement in his report regarding the manner of selecting his words except that in the second test "special care was exercised to omit words whose pronunciation would tell the secret" (15) of the correct spelling.

Too much credit can scarcely be given Rice for his pioneer efforts. He initiated the whole measurement movement. Two criticisms, however, may be directed against his work: (1) the words were not selected on the basis of those which children need to learn to spell; and (2) the words were of greatly varying difficulty but were given equal value in scoring. The best evidence in support of the first point is, that of the 77 words used in the second test, 15 do not occur among the 4,000 words of highest frequency in the combined results of the nine most extensive studies of correspondence.² These words are: almanac, ascending, changeable, conscientious, deceive, elegant, fatiguing, hopping, laughter, listened, praise, sensible, slipped, sweeping, whistling. Of these, six do not appear in any form, even the most simple.

Rice recognized that the material for spelling instruction should be selected in such a way as to eliminate unusual words. This is shown by two quotations: "The absurdities incident to the so-called 'natural method' were shown very clearly during one of my visits to a fifth-year class, when the pupils, who had studied the pine, were about to write a composition on the subject. In preparation, the spelling lesson of the day consisted of the following words: exogen, erect, cylindrical, coniferal, irregular, indestructible, pins, resinous, and whorls." (16) His fourth recommendation concerning the course in spelling reads thus: "Precedence should be given to common words, while technical and unusual words should be taught incidentally." (17) However, he gave us no clue as to how the "common words" should be detected.

That Rice's words were of greatly varying difficulty was pointed out by Thorndike (18) who gives the relative frequency of mistakes within the same group of children for each of the forty-nine words taken by Dr. Rice to be equal measures of spell-

²The results of this compilation have not been published. Access to the data was secured through the kindness of Dr. Horn.

ing ability. These forty-nine range from a frequency of forty-two errors to zero. Unfortunately, the table does not give the total number of children attempting the test, so it cannot be placed on a percentage basis.

The reader's attention is called to Table II. This table gives the frequency of error of fifth-grade children on five of Dr. Rice's words as found by Thorndike and the percent of error of fifth-grade children on the same words as shown by the Ayres scale and the present study.

TABLE II. DIFFERENCE IN DIFFICULTY OF FIVE WORDS RE-GARDED BY DR. RICE AS OF EQUAL DIFFICULTY.

Word	Frequency of Error Grade V—Thorndike	Percentage of Error Grade V—Ayres	Percentage of Error Grade V—Ashbaugh
necessary	42	58	77
disappoint	37	79	64
learn	3	12	14
because	1	6	6
picture	0	8	5

STUDIES IN DERIVATION OF SCALES

The studies intended to evaluate the words to be used in measuring spelling ability have been but two in number previous to this monograph.

Buckingham. (19) In 1913, Buckingham presented the educational world with the first spelling scale. He did preliminary testing with a list of 270 words selected from a much larger list of graded words used by the author in his own school. These had been selected by taking from five of the popular spelling books then in use, a vocabulary of 5,000 words agreed upon by two or more of the books, and then following two principles: (1) "that all of them should be sufficiently common to be in the speaking vocabulary of third-grade children," and (2) "that the spelling difficulty of many of them should be great enough to test the ability of eighth-grade children." (20)

These words were placed in sentences and dictated to grades three to eight. On the basis of the results, a group of 100 words were chosen which in general showed the following characteristics: (1) That the word was not so difficult that it offered no test of third-grade ability. (2) That it showed a steady increase through the following grades but did not reach so high a figure in the highest grades as to prevent its being a test of ability there.

These words were placed in sentences and their difficulty determined by additional testing. By this process he finally arrived at a first and a second preferred list of 25 words each. In order

to get a measure of zero ability, an easy list of fifty words was devised. These words were then evaluated with a high degree of precision and were presented for testing purposes in the form of ten-, twenty-five-, and fifty-word scales.

The small number of words limits the usefulness of the scale since the entire list can be quickly learned to 100 percent median accuracy by a class of ordinary ability in the upper grades. The study is of great interest to advanced students of education because of the great refinement of method. It is doubtful, however, if the high degree of refinement adds anything to the value of the scale for practical use by teachers, principals, and superintendents in the field.

Ayres. (21) Probably the most advanced step in spelling measurement was taken by Ayres in 1915 in presenting his Measuring Scale for Ability in Spelling. The 1,000 words in this scale were secured by combining "the results of the several studies so as to secure the most reliable list as a foundation for the work." (22) The placing of the "one thousand commonest words" in the measuring scale assumes that children should be taught and be able to spell these "commonest words" even though they are unable to spell other words. With this assumption we agree.

Two criticisms will be offered concerning the selection of the words:

1. The list is a hybrid since it is made up by combining correspondence frequencies with newspaper and literary frequencies. A comparison of these 1,000 words with the most extensive studies of correspondence reveals 33 words which never occur in these correspondence lists, and 71 others which do not occur in the 3,000 words of greatest frequency. Such words as: arrest, convict, capture, estate, jail, mayor, police, testimony, victim, and witness, occur frequently in newspapers but only a few people ever have any occasion to write them. Why then should they be admitted to our minimal spelling lists?

2. In the selection of these words, root forms and derivatives were counted as one form unless they presented "different spelling difficulties." "Plurals and verb forms presenting no characteristic spelling difficulties beyond those inherent in the singular or infinitive have not been included. (23) Researches by the writer (24) have convinced him that almost without exception derived forms are spelled with less accuracy than root forms, however simple the change involved, and that one cannot select by inspection the forms having slight variation from those having wide variation.

A further criticism must be made on the regularity of the advancement of words in the scale. If all words were learned at the

same rate, this regularity might exist. Buckingham found that most of the words which he tried out did not progress regularly and that frequently there was a reversal instead of advance in accuracy from one grade to another.

He says, "In order that this list should be of greatest value it should be so constituted that the increases in percents correct so keep pace with the increase from grade to grade of general spelling ability that a word tends in all grades to maintain the same difficulty relative to all other words in the list to which it belongs. A word which is twentieth in point of difficulty for the third grade ought to deviate as little as possible from the same rank in the other grades. The experience gained in making this investigation leads us to think that most words do not meet this condition, even approximately. The span between the third and the eighth grades is very wide. Accordingly, a very large class of words is impossible for the earlier yet easy for the later grades. Still others are really difficult in the lower grades, but of almost no difficulty in the upper grades." (25)

The following illustration from Buckingham's Preferred Lists show that although he purposely rejected the most irregular words, irregularities still existed.

TABLE III. PERCENT OF ACCURACY WITH WHICH CHILDREN OF
SUCCESSION GRADES SPELLED EACH OF THE GIVEN WORDS.*

Word	Third	Fourth	Fifth	Sixth	Seventh	Eighth
saucer	11	29	42	58	79	81
raise	21	54	67	84	93	94
already	16	42	43	62	44	77
grease	11	18	37	35	42	57

This table is read as follows: The word "saucer" was spelled by third-grade children with an average accuracy of 11 percent; by fourth-grade children with 29 percent; by fifth-grade children with 42 percent, etc. The percents for the other words in the different grades are read in the same manner.

The first two words show rather consistent increases up to the seventh grade and practically no increase from seventh to eighth. The other two show actual instances of lower accuracy of spelling in one grade than in the previous grade.

The present study shows numerous illustrations of the same phenomenon. Since no word was rejected, lapses appeared, as might have been anticipated from the fact that they occurred in Buckingham's highly selected list. Further, these lapses occur

* These words with their accuracies were selected from Buckingham, B. R. *Spelling Ability—Its Measurement and Distribution*. Table III, page 14.

much more frequently in cases of high accuracy (i. e., very easy words) than in those of medium or low.

Because of these findings, a serious question must be raised concerning the amount of smoothing which Ayres must have done to get the perfect regularity from grade to grade which he has upon his scale.

In order to present the situation as it was actually found, it was decided to provide in the present study a separate scale for each of the grades and to include in each scale the whole number of words. Ayres arbitrarily rejected from consideration all words for each grade whose accuracy fell below the middle step. In the present study, no smoothing has been done to show regularity of progress from grade to grade and no words have been rejected from any grade scale regardless of the low percent of accuracy involved.

In the field of measurement, the Ayres scale has had a much wider influence than that by Buckingham. More than eighty-five thousand copies have been distributed in less than four years. Many spelling tests, such as those by Courtis (26), Monroe (27), Fordyce (28), and the writer (29) have been based directly upon it, and probably hundreds of superintendents have adopted it outright as a minimal list for their schools.

SECTION II

THE PROBLEM

Extension work by the writer among the school people of Iowa has brought the following facts clearly to his attention:

1. School people are eager to use the results of scientific research in their school rooms.
2. They have used and appreciated the Ayres Spelling Scale but rightly think that there should be a larger list.
3. For this larger list to be of most worth, the words must be evaluated in some manner.

It was therefore believed that a distinct service would be rendered the schools of the state if a much larger list, scientifically selected, should be evaluated and made available.

At the time the work was begun, the most extensive study of correspondence vocabulary was that of W. N. Anderson. Through the tabulation of 3723 letters of Iowa people, 361,184 running words revealed 3105 different words having such a frequency as to justify, in his judgment, their being taught in school. The Anderson list was an Iowa correspondence list, scientifically selected and containing sufficient words for a much larger list than had ever before been evaluated. Thus the problem became definite—*the making of an Iowa Spelling Scale.*

SECTION III**METHOD OF GATHERING THE DATA****SELECTION AND ARRANGEMENT OF WORDS**

For administrative convenience, only 3,000 words were taken from Anderson's list. The words were listed in order of decreasing frequency and the first 3,000 were arbitrarily chosen. These 3,000 were divided into three sets of 1,000 words each, dividing the frequency as equally as possible. For example, the words *and*, *the* and *to* being in order the words of greatest frequency in Anderson's tabulation, became the first word respectively of each of the three sets. The 4th, 5th and 6th words in order of highest frequency became respectively the second words of each set, and so on. Each set of 1,000 was then divided into ten lists of 100 words each.⁴ In each set, the 1st, 11th, 21st, etc. words became list 1; the 2nd, 12th, 22nd, etc. became list 2; etc. Thus each list included words ranging from very high to lowest frequency of occurrence in Anderson's study. These lists were printed 100 words on a sheet, and the ten lists of a set clipped together.

CO-OPERATION OF THE SCHOOLS OF THE STATE

An invitation to co-operate in a state-wide survey of spelling was sent to the superintendents of schools in all cities and towns of the state, having a population of 1,000 or more. A few smaller places were also invited to participate. More than 150 superintendents promised the co-operation of their teachers in this work. Enough sets of words were sent to each of these superintendents to supply his teachers and printed instructions accompanied each set. A copy of these instructions and list 1 of the set will be found on pages 142 and 143.

These instructions requested ten days work from each class. The children in Grades II-IV were to spell 500 words at the rate of 50 per day and those in Grades V-VIII were to spell 1,000 words at the rate of 100 per day. All spellings were to be made without preliminary study or any teacher help. Children in all grades were thus asked to spell all the different words, although it was surmised that many of them would not be spelled by lower grade children. Preliminary experiments, however, had definitely shown that one could not predict with a high degree of accuracy what words the pupils in any particular grade would misspell.⁵

⁴ The reason for the division of the 3,000 words into sets of 1,000 and lists of 100 will be understood from the instructions to teachers. See page 143.

⁵ A very simple experiment in this line was made by the writer with his University class composed of school superintendents and teachers. List 1 of the present study (see page 142) was given to each member of the class with

It was therefore deemed necessary to ask a large number of pupils in each grade (II-VIII inclusive) to attempt to spell each word.

After the 3,000 words were printed and sent out, it was discovered that there were twenty-three words duplicated. Seventeen of these were duplicated in Anderson's original list, while there were six other duplicates due to typographical errors. Thus the list of 3,000 was reduced to 2,977, the number which appears in the completed scales.

The response of the superintendents, teachers and pupils was most gratifying. More than 100 school systems were able to do the work and send in the results. A list of these cities and towns is given on page 144. A conservative estimate indicates that nearly 1,400 teachers and 45,000 children participated in the work.

SECTION IV

METHOD OF HANDLING THE DATA

This very generous response brought in several times as much material as could be used. Hence, a random selection of papers on each list was made from all schools returning data in any grade. This means that on the average, about thirty-five cities and towns are represented by pupils in the determination of the position of each word in each scale. At least 200 spellings were used for each word and the total number of spellings used on the 2977 words in the seven grades was 4,662,200.

All data used were scored or re-checked by the writer or by assistants carefully instructed by him. As has been found by everyone investigating spelling, a number of arbitrary decisions had to be made. Words omitted; words illegibly written; words

the request that he should mark each word as follows: H if in his judgment the pupils of fifth grade would spell the word with an accuracy of from 67 percent to 100 percent; M if they would spell with an accuracy of 34 percent to 66 percent; and L if they would spell with an accuracy of 33 percent or less. The results showed that in spite of the great latitude allowed, but 45 percent of the judgments were correct as compared with the results in this monograph; 31 percent of the judgments were one unit wrong and 14 percent were two units wrong. Two units wrong means that words which pupils spelled with an accuracy of 67 percent or higher were judged as 33 percent or lower and vice versa. Even when the nineteen words whose spelling accuracies by the pupils fell within 5 percent of the dividing points, 33-34 and 66-67, were not considered, only 48 percent of the judgments were correct; 40 percent were wrong one unit and 12 percent were wrong two units. In other words, when experienced school men and women attempted to judge the accuracy with which children would spell a set of words, they were more than 10 percent wrong with more than half the cases and more than 33 percent wrong in 12 to 14 percent of the cases.

substituted due to misunderstanding the pronunciation; wrong form of homonyms; changes in number and tense except when the change involved an addition to, but no change in, the form given were all counted wrong. But one form of spelling for a word was considered right except the few words for which Webster's New International Dictionary lists two spellings as equally correct.

SECTION V

ASSUMED DISTRIBUTION OF ABILITY

It was stated in Section II that part of the problem was the evaluation of the words which had been scientifically selected. When the percent of accuracy of spelling has been determined, one form of evaluation has been made, but this is not entirely satisfactory, as will be shown later.

NORMAL PROBABILITY CURVE ASSUMED

Figure 1 presents a typical normal probability or normal frequency curve. The curve has the mass of its area in the central part and but a small part near the ends.

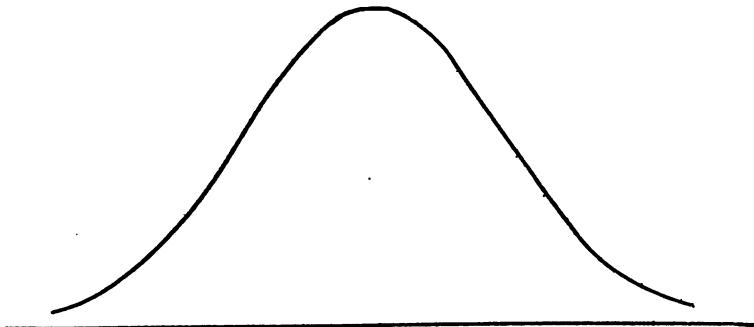


FIGURE 1

This form of distribution has been found to hold true in such human traits as height, weight, length of arms, etc. The great majority of adult men cluster closely around the mean height or weight of all adult men while a decreasing number divide about equally in varying above and below this mean. Only a few vary widely, but those who do are about equally divided as to the direction of their variation.

Does this normal frequency distribution hold true in mental as well as physical traits?

It is a well recognized fact that people with mediocre ability are much more numerous than the dull or the brilliant, and that the very dull and very brilliant are few indeed. Hence, common observation would suggest that general mental ability is distributed in the same manner as physical traits. Does this hold true, also, of the distribution of special abilities such as spelling, arithmetic, language, etc?

The various scales for measuring special abilities such as the Buckingham and Ayres Spelling, Woody's Arithmetic (30), Green's Organization (31), and Trabue's Language (32), have been developed upon the assumption that special abilities are so distributed. The best proof perhaps that the assumption is valid, is that if the assumption is made the results that follow are in very close agreement with the known facts. For these reasons, it was decided to make the same assumption in the present study.

SOME PROPERTIES OF THE CURVE

The mathematical properties of the normal probability curve have been very carefully and elaborately worked out on two bases, namely, the Probable Error (P. E.) or mean deviation, and the Sigma (σ) or standard deviation.

The Probable Error, as a function of the normal probability curve, is that perpendicular distance from the mean at which, if an ordinate is erected, the surface included between this ordinate, the curve, the mean ordinate, and the base line includes 25 percent of the surface included by the whole curve and the base line.⁶ In

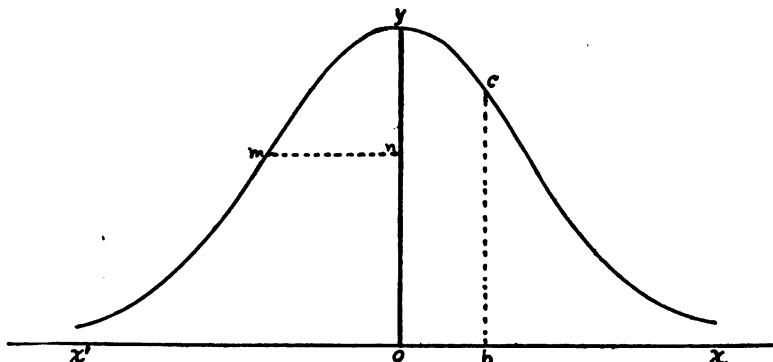


FIGURE 2

⁶In theory the curve and base never meet, the lines being in asymptote, but for practical purposes they are considered as meeting at some given distance from the mean. It is in this sense that we may speak of the surface included between the curve and the base.

Figure 2, ob is 1 P. E. distance and b_{cyo} includes 25 percent of the surface $x\ y\ x'$.

Likewise, Sigma or the standard deviation, as a function of the normal probability curve, is the perpendicular distance to the mean ordinate from the point on the curve where it changes from concave to convex; mn in Figure 2 represents this distance.

Both Probable Error and Sigma, being functions of the normal probability curve, bear constant relationship to the curve regardless of the variability of base and altitude. Through easily accessible tables, the amount of area included by the curve, mean, base, and an ordinate erected at any given Probable Error or Sigma distance, can be found.⁷

Buckingham, in the development of his spelling scale, used Probable Error and arbitrarily broke off the curve (which theoretically forever approaches the base but never meets it) at ± 4.6 P. E. This disregards but about one-tenth of one percent of the total surface on either side of the mean.

Ayres, in making his scale, used Sigma and arbitrarily broke the extremities at $\pm 2.5 \sigma$ which disregards about six-tenths of one percent at each end.

After considerable experimentation, the writer decided to follow Ayres and use the $\pm 2.5 \sigma$ curve for the following reasons:

1. In practical schoolroom work it is doubtful if it is worth while to differentiate spelling differences of less than one percent. To extend the curve beyond $\pm 2.5 \sigma$ which is approximately the same as ± 3.75 P. E., necessitates this finer differentiation.

2. Since 893 words⁸ are common to the Ayres Scale and this study, the use of the same form of distribution would permit comparisons not possible otherwise.

PLACING WORDS IN THE SCALE

Having assumed the normal probability curve, and having decided upon the measure of variability to use and the limits at which the curve should be arbitrarily broken off, the next problem was to decide on the number of steps into which to divide the base. The spelling accuracies varied in most grades from at or near zero on some words to at or near 100 percent on others. That is, there were some words which children of any grade spelled with perfect or nearly perfect accuracy while there were other words which were missed by all or nearly all the children.

⁷ For further discussion of the theory of the normal probability curve, the reader is referred to: Rugg, H. O., *Statistical Method Applied to Education*, Ch. VII.

⁸ There are 893 words which appear in both studies which are identical in form while there are 25 others which differ in suffix only. Of these, 10 differ in the suffix "e-d" and 5 in the suffix "s."

In theory the number of steps or divisions into which the base may be divided is infinite, but practical considerations limit the number to but a few. Since our assumption of normal distribution predicates that the number of very good and very poor spellers are few, it is necessary to make finer discriminations between those percentages lying near the extremes of the scale than between those lying near the middle. The larger the number of steps or divisions into which the base is divided, the finer the distinctions drawn all along the scale, but especially is this true near the extremes. As has been stated, however, a finer discrimination than whole percentages can hardly be justified in an instrument designed for practical schoolroom measurement. On the other hand, but few divisions would tend to cover up differences which should be revealed.

Again, after much experimentation it was decided that the division of the base line into twenty-five equal steps, as Ayres did, gave the best results since it permits single whole percentage discrimination of differences near the extremes and does not group together too large percentage differences in the middle.

If there were an equal number of each grade of ability, excellent, good, fair, poor, and very poor; that is, if the frequency surface were a rectangle, then the percentage valuation would be very satisfactory. But we know this is not true and have assumed the distribution to be that of the probability curve instead. Therefore, words which differ by a single percent in the accuracy of spelling do not always represent equal differences in difficulty. Reference to Figure 1 will show quickly that the linear distance between two ordinates so erected as to include between them, the base and the curve, one percent of the whole surface will differ much depending upon whether the ordinates are erected near the median or near the extremes. One of these twenty-five parts into which we have divided the base will underlie approximately nine percent of the surface if located at the median, about four percent if located midway between the median and the extremes and only one percent if located near the extremes. It is this recognition of the type of distribution of ability which makes the percentage evaluation unsatisfactory.

On the basis of the accuracy of the children's spellings, each word was then placed in its proper step or position on the scale. Because it was thought that students of experimental education might care to have the finer distinctions which are not afforded by the step position alone, it was decided to keep the percentage groups within the steps of the scale separate and designate the exact percentage accuracy with which each word was spelled by the children.

If the difficulty of words be defined in terms of differences in position among the steps of the scale, then the words which lie in a single step are of approximately equal difficulty and the words in one step are as much more difficult than those in the previous step as the words in any other step are more difficult than those in the step preceding it. That is, the degree of difficulty between steps is constant throughout the length of the scale.

It will be perceived, of course, that the difficulty of spelling a word is thus defined in terms of the accuracy with which children in a given grade responded to the word under the conditions described in this monograph. It has nothing to do with the inherent difficulties of teaching or learning the word except to the extent that these may be reflected in the accuracy of the spellings of the pupils.

Throughout this monograph, spelling ability is spoken of in terms of efficiency of performance. The only measure of ability which we have for mental traits is in terms of performance. This is common usage and we believe it is perfectly justifiable. We measure ability to read, ability to add, ability to hit a target, ability to lift a weight, etc., in terms of performance. In all these activities, we find by measuring a large number of cases that a few are very good, a few very poor and the majority of all cases occupy an intermediate position. In other words, these various abilities distribute themselves about in the form of the normal probability surface of frequency. It has been the assumption upon which these scales have been built, that spelling ability, ability to do this particular thing under the given conditions, is distributed in this same manner. The scales do not concern themselves with the child's inherent capacity to learn to do, or the difficulties inherent in the words themselves.

SECTION VI

USE OF THE SCALES

These scales lend themselves to at least three uses, namely, (1) measurement of status of spelling ability, (2) measurement of growth in spelling ability, and (3) a minimal spelling list for teaching purposes.

Each word having been placed in the scales on the basis of the accuracy with which children in the respective grade spelled it when presented in ordinary list form, any teacher, principal, or superintendent may use the scale to determine how well his own class or school can spell any group of these words in comparison with the children of Iowa as a whole. In making this comparison, the following things should be remembered.

1. That to secure comparable results, the words should be pronounced in accordance with the original instructions (See page 143) and the words scored according to the criteria stated on page 15.
2. That these spellings were from pupils who had on the average completed approximately one-half of the year's work for the grade. Tests given at the beginning or end of the year's work should be interpreted accordingly.
3. That to secure equally reliable results, a much larger list of words must be used with a small group of pupils than with a large group.
4. That in general, words located near the middle of the scale, those with an accuracy of 35 percent-65 percent, are probably more reliable for measuring purposes than those near the extremes.

Words spelled with 100 percent accuracy furnish no test because all the children have mastered them. Some of them could undoubtedly spell much more difficult words. Likewise, words which are missed by all the children furnish no test since we have no means of knowing how much too difficult they are. Since there are many possibilities of wrong spelling against one possible right form, it is probable that 50 percent represents the maximum point of critical measure of a group. This conforms with the experimental work of Otis. (33)

MEASUREMENT OF STATUS OF ABILITY

In using the scales for measuring class and school status, it should be kept in mind that words of differing percents within a step are of approximately equal difficulty but to equalize even small differences, a random selection of words from all the percentage groups in a step should be made and these words pronounced as an ordinary spelling test without instruction or previous study. If the average of the class is the same as the average for the step or within the limits of the percents listed under one step, the class has a spelling status on these words about the same as the children of like grade in Iowa. If the class average reaches a percent higher than the highest listed under the step, the class is above average; if below the lowest listed under the step, it is below average.

A word of caution is perhaps in place. The teacher in using these scales must remember that the fundamental assumption upon which the scales have been built is that spelling ability distributes itself according to the normal probability surface of frequency. It must not be expected, therefore, that all the children in her class will spell all the words in a given test, even though

the words are chosen from a single step on the scale, with the same percent of accuracy. A wide range of variation is to be expected and a very narrow range would be quite unusual. Further, the words in a step have been placed there as of approximate equality on the basis of a large number of spellings and it is not to be expected that, with a small group such as a class, the accuracy of spelling on each of the words will be equal.

MEASUREMENT OF GROWTH OF ABILITY

In measurement of growth, two objects may be distinguished, (1) the measurement of growth or change due to a term or year of school work, and (2) the measurement of growth or change due to the use of a special method, device, or time variation during a greater or less period.

The first measurement will probably be the one of most significance to teachers and superintendents, and gross differences will be of greatest interest. For this reason, the differences may well be considered mainly in terms of step changes.

The second measurement will be of primary interest to special supervisors and students of experimental education. Since these persons are interested in more refined results, they should consider the individual percentage groups within the step. Whole step differences may frequently be larger than the changes brought about by the conditions involved in the experiment.

A MINIMAL SPELLING LIST

This list presents with a high degree of accuracy the words which people use most frequently in written correspondence. For this reason it is highly important that pupils in the elementary school learn to spell these words. By using the words of the scale as the material for regular class instruction, teachers may note class improvement, but they must recognize that as a scale it is becoming less and less valuable as a measuring instrument. However, the writer agrees completely with Ayres when he says, "Probably the scale will have served its greatest usefulness in any locality when the school children have mastered these words so thoroughly that the scale has become quite useless as a measuring instrument." (34)

SECTION VII

LIMITATIONS OF THE SCALES

The scales presented herewith are subject to certain limitations, some of which will be discussed in this section.

NUMBER OF SPELLINGS USED

In general, with a random selection the reliability of results increases as the square root of the number of cases involved. In the following scales, the number of spellings on each word in each grade was 200 or more. This number was selected as being a sufficient number to give a degree of reliability acceptable in this type of measurement.

However, in order to ascertain the range of variability which might be expected on the basis of 200 spellings in comparison with a larger number, 700 spellings were selected at random on a list of 100 words. The accuracy of spelling on each word was checked out per 100 spellings and three combinations of 200 each were compared with the accuracy of 700. The spelling accuracy of the 100 words in the 700 spellings varied from 100 percent for the three easiest words to 11, 15 and 20 percent respectively on the three most difficult words.

Since the words were to be placed in the scales in terms of steps of equal value as stated previously, it was thought that this examination of reliability of placement should be in terms of steps rather than in terms of percent. The total scale was divided arbitrarily into three-step groups on each side of the middle step. Then the three on each side adjacent to the middle step and this middle step were thrown together since there seemed no valid reason for keeping them separate, the percents in each step being symmetrically placed above and below the middle step. When the 100 words were distributed according to this grouping on the basis of accuracies obtained from the 700 spellings of each word, it was found that there were 12 words in the easiest group, 32 in the next, and so on as shown in column four of Table II.

Next the accuracy for each word on the basis of each of the first, second, and third 200 spellings was taken from its accuracy

TABLE IV. AVERAGE DEVIATION OF SPELLING ACCURACY IN TERMS OF SCALE STEP OF RANDOM SAMPLINGS OF 200 SPELLINGS FROM THE ACCURACIES OF 700 SPELLINGS.

Accuracy in Percents on 700 Spellings	Number of Scale Steps Within These Limits	Average Range in Percent Included in One Step	Number of Words in Group	Average Deviation in Scale Step		
				First 200	Second 200	Third 200
98-100	3	1.00	12	.42	.42	.42
91-97	3	2.33	32	.55	.60	.63
77-90	3	4.67	20	.49	.69	.41
24-76	7	7.57	33	.38	.27	.34
10-23	3	4.67	3	.50	.07	.93

on the basis of the total 700 and the average difference of deviation of all words within the group was determined. This average deviation in terms of percent was then converted into average deviation in terms of scale step by dividing by the average range in percent included in one step.

From these data it is concluded that since the average variation is less than 0.7 of a step in all cases but one, and is 0.5 of a step or less in more than half the cases, 200 spellings is amply sufficient for the degree of accuracy required in placing the words in a scale of this type.

DISTRIBUTION OF SPELLINGS

It may be considered a limitation on the scales that all spellings used were secured from Iowa school children. The answer to this is two-fold: (1) that the scales were designed primarily for service to the school people of the state of Iowa. From this standpoint this limitation becomes a positive recommendation. (2) On the basis of a state-wide study of spelling, involving 8818 children in Grades III to VIII inclusive, on spelling tests devised from the Ayres scale, the school children of Iowa spell with about the same average accuracy as children in the 86 cities involved in the Ayres study. This is shown by Table V.

TABLE V. COMPARATIVE SPELLING RESULTS: AYRES SCALE AND 27 IOWA CITIES. 20 WORDS, LIST SPELLING.

Grades	Third	Fourth	Fifth	Sixth	Seventh	Eighth
Number of Children	1620	1635	1841	1338	1228	1156
Iowa Average Scores	73	85	74	83	77	86
Ayres Standard	73	88	73	84	73	84

The table is read as follows: 1620 third-grade children spelled the 20 words with an average accuracy of 73 percent and the Ayres standard for these words is also 73 percent; 1635 fourth-grade Iowa children spelled the 20 words with an average accuracy of 85 percent while the Ayres standard on these words is 88 percent. The number of children and the average accuracy for Iowa children and the Ayres standard for the other grades are read in the same manner.

WORDS GIVEN IN LIST FORM

It is recognized that the spelling of words in list form does not give an exact measure of the accuracy with which children will spell words in their ordinary daily work. This condition is perhaps more closely approximated by a timed-dictation test. In neither case, however, can we be certain that the ability displayed

is exactly the same as that which will function when the child is writing spontaneously. These scales do present the accuracy with which children did spell these words when presented under the conditions described in the monograph.

WORDS OF VARYING DIFFICULTY PRESENTED IN THE SAME LIST

Making up the list of words on the basis of approximately equal distribution of words of high, median, and low frequency in written correspondence necessarily brought into the same list, words of widely varying difficulty. How far this tends to produce an inaccurate result in the spelling of the common words is not definitely known.

Due to the fact that 23 words were duplicated in the lists sent out, it is possible to make some comparison between the accuracy with which words were spelled when they occurred early in the list, preceded by words which were comparatively easy, and when the same words occurred late in the list, preceded by words of greater difficulty. Thirteen of these 23 words involved this situation of appearing one time rather early in the list and a second time rather late. A comparison of the accuracy with which the children in each of the different grades spelled the word when it occurred early in the list with the accuracy with which it was spelled by children of the same grade when it occurred late in the list, showed two things:

1. That in all grades there was a somewhat higher average accuracy on the words when they occurred early in the list, though some words showed the opposite situation. The median increase in accuracy in the seven grades on words occurring early in the list over the accuracy on the same words when occurring late in the list was but 2 percent. This difference in accuracy was greatest in the third and fourth grades, though a priori judgment had decided that this factor would most affect second-grade children and have less influence thereafter from grade to grade.

2. The average difference of spelling accuracy in these two grades which seemed to be most greatly influenced by this factor was practically identical with the range of percents included in a single step in the portion of the scale in which these words appear.

Since these words were placed in the scales in an intermediate position determined by the average accuracy of spelling in the two positions, it is quite certain that no word is misplaced more than a single step. It is probable that half the words are misplaced less than half a step (that is, not at all in the scale) due to this factor.

NO ZERO POINT ON THE SCALE

These scales in common with the Ayres scale, place the words on the basis of relative difficulty rather than absolute difficulty from a point which would indicate no ability at all. Because of this limitation, it is not possible to state that words appearing in any single step are so many "times as" difficult as words appearing in some other step. It is only possible to state that words in any step are as much more difficult than the words in the step preceding as the words in any other step are more difficult than the words in the step preceding that. In other words, the inter-step difficulty is approximately equal throughout the scale.

From the standpoint of practical usage the lack of an absolute zero-point presents no serious objection. In the measurement of progress, school people are interested in making comparison with norms and with previous status rather than in determining "times as" relationships. For this reason, a zero-point was not considered of sufficient importance to justify the large amount of additional work which would have been necessary to have secured it.

SECTION VIII

BIBLIOGRAPHY

1. *Fourteenth, Sixteenth and Seventeenth Yearbooks of the National Society for the Study of Education*, 1915, 1917 and 1918.
2. *Eighteenth Yearbook of the National Society for the Study of Education*. Pt. II, 1919.
3. Knowles, Rev. J. *The London Point System of Reading for the Blind*. London, 1904.
4. Eldridge, R. C. *Six Thousand Common English Words*, Niagara Falls, New York, 1911.
5. Ayres, L. P. *The Spelling Vocabularies of Personal and Business Letters*. Russell Sage Foundation, 1913.
6. Jones, W. F. *Concrete Investigation of the Material of English Spelling*. University of South Dakota, Vermilion, South Dakota, 1913.
7. Cook, W. A. and O'Shea, M. V. *The Child and His Spelling*. Bobbs-Merrill Company, 1914.
8. Nicholson, Anne (Editor.) *A Speller for the Use of the Teachers of California*. Sacramento, California, 1914.
9. *New Orleans Public School List*. School Bulletin, 1916.
10. *Bureau of Educational Research Bulletin No. 2*. Kansas City, Missouri, 1916.
11. Houser, J. D. An Investigation of the Writing Vocabularies of Representatives of an Economic Class. *Elementary School Journal*. 17:70 8-18.

12. Anderson, W. N. *The Determination of a Spelling Vocabulary Based Upon Written Correspondence.* Dissertation, University of Iowa, 1917.
13. Horn, E. *A Study of the Vocabulary of Letters Written by Bankers to Bankers About Banking.* (Unpublished.)
14. Rice, J. M. Futility of the Spelling Grind. *Forum* 23:163-72, 1897. Later published again in *Scientific Management in Education*, New York, 1913.
15. Rice, J. M. *Scientific Management in Education.* p. 71.
16. Ibid. p. 93.
17. Ibid. p. 94.
18. Thorndike, E. L. *Mental and Social Measurements.* p. 8.
19. Buckingham, B. R. *Spelling Ability, Its Measurement and Distribution.* Columbia Contributions to Education No. 59, 1913.
20. Ibid. p. 6.
21. Ayres, L. P. *Measurement of Ability in Spelling.* Russell Sage Foundation, 1915.
22. Ibid. p. 8.
23. Ibid. p. 11.
24. Ashbaugh, E. J. and Horn, E. Necessity of Teaching Derived Forms in Spelling. *Journal of Educational Psychology*, 10:143-52, March, 1919. Also Variation in the Spelling of Root and Derived Forms of Words. (Unpublished.)
25. Buckingham, B. R. Op. cit. p. 13.
26. Courtis, S. A. *Standard Research Tests in Spelling.* Detroit, 1916.
27. Monroe, W. S. *Timed Sentence Spelling Tests.* Emporia, Kansas, 1916.
28. Fordyce, Charles. *The Nebraska Spelling Test.* University of Nebraska.
29. Ashbaugh, E. J. *Iowa Dictation Exercise and Spelling Tests.* University of Iowa, 1916.
30. Woody, C. *Measurement of Some Achievements in Arithmetic.* Columbia Contributions to Education No. 80, 1916.
31. Greene, H. A. *Tests for the Measurement of Linguistic Organization in Sentences.* Dissertation, University of Iowa, 1919.
32. Trabue, M. R. *Completion-Test Language Scales.* Columbia Contribution to Education No. 77, 1916.
33. Otis, A. S. Reliability of Spelling Scales. *School and Society*, 4:676-83, 716-22, 750-56, 793-96, October 28, November 4, 11, 18, 1916.
34. Ayres, L. P. Op. cit. p. 41.

SECTION IX
THE IOWA SPELLING SCALE

GRADE II

GRADE II

			get	singing
			play	they
			some	with
			told	68%
STEP 5—94%	in			
day	let			
it	that	88%		
and	did			age
is	look		ball	am
me	so		cannot	box
	tell		hat	came
			ring	going
			this	hill
STEP 6—92%	STEP 9—79%			its
he	have	81%	them	like
to-day	no		wind	mad
are	up		73%	pig
at	will	80%	cold	playing
can	big		door	red
	but		girl	ship
	land		lot	thank
	old		or	top
STEP 7—88%	say		think	67%
all	ten	79%	72%	call
the	ago		bee	end
you	an		doing	far
be	hand		got	from
go	hen		May	give
dog	into		sat	had
not	of		three	stop
see	on		toy	66%
she	us	78%	71%	free
boy	as		baby	ice
may	last		eat	king
my	man		has	pin
was	to		home	put
	tree		pie	65%
	your		seeing	bed
STEP 8—84%		77%	then	being
good	away		70%	by
book	cat		bad	fast
for	fat		dad	feet
if	gold		looking	fill
little	out		much	find
come	run		thing	flat
do	way	STEP 10—73%	time	green
his	we	76%	year	lay
how				made
			STEP 11—66%	Miss
			69%	night
			bell	one
			cap	sun
			corn	64%
			five	bat
			hit	glad
			love	grass
			over	her

inside	lost	cake	about
make	papa	coat	52%
milk	pen	holding	art
most	poor	left	ate
must	rich	morning	cool
net	room	nut	fell
same	seen	plan	life
telling	snow	rose	low
	sold	shop	near
63%		slip	pass
hot	soon	stove	place
name	sport		rug
now	take		saying
wall	took		sell
	west		spell
	what		spot
STEP 12—58%		ask	within
62%	aside	bear	51%
apple	asleep	beside	around
band	fun	blow	city
bill	him	born	forget
each	landing	dust	hall
fall	miss	farm	just
nine	mother	feed	kind
when	pay	finding	list
yet	sin	helping	pick
61%	state	lake	stay
bid	tip	late	Sunday
cup		long	town
down	can't	post	upon
ever	cut	price	wife
kiss	fish	ride	50%
mill	food	seed	been
part	grade	song	bit
rest	hay	too	black
school	here	well	blank
send	met		brand
six	rain	along	car
tent	sleep	bank	fee
till	wet	belong	gather
want		date	grand
60%	child	deep	head
bay	game	foot	hers
cent	keep	happy	print
forgot	lift	joy	shall
gave	mud	kill	side
hold	rock	noon	silk
live	sit	plow	sis
Mr.	small	sad	spring
sent	tenth	said	tie
stand	than	set	very
standing	there	shot	went
week	trip	snowing	49%
wish	win	two	arm
59%	yes	under	display
best		war	faster
bring	after		finger
income	back	where	

The Iowa Spelling Scales

gate	while	44%	colder
Jan.	why		cooking
mind		46%	football
nap	barn		hand
never	became		however
our	become		June
read	blue		leg
rod	bog		lone
roll	coming		lump
soft	fair		nothing
spent	ford		older
step	gland		once
street	hear		outfit
such	help		river
wanting	lived		sixth
	maker		stood
	mine		these
bake	open		tile
begin	rent		to-night
drop	rip		winter
feeding	shut		41%
four	slow		bright
gray	son		drive
hard	sort		felt
inch	who		fit
letter	window		fort
note	wood		glee
paper			hog
pine			inform
raining			lie
rate		STEP 14—42%	master
real			only
sheep	banker		pa
starting	behind		page
thankng	better		park
wide	bird		report
wool	butter		seem
work	calling		seven
	cash		skate
able	drug		something
cord	face		start
fine	found		teaching
form	gone		wage
glass	grant		walking
goldfish	kid		whenever
light	lady		wishing
mamma	luck		40%
meat	mail		any
nor	mate		apart
oh	might		brother
order	nice		bunch
plate	rust		buy
sight	stamp		care
sister	still		chop
sweet	store		cream
thin	table		forming
were	without		gown
		48%	

herself	wake	harder	deal
hour	worker	himself	fifty
hunt		keeping	fire
hunting		market	first
ink	alive	move	fresh
jump	backing	overcoat	Friday
large	clay	paying	grit
longer	could	sink	ground
looked	die	staying	happen
loved	done	storm	killed
lovely	egg	train	kinder
mark	Feb.	whatever	kindest
myself	finish		liver
outside	flower	case	longest
ranch	forgive	clock	noted
reader	garment	closer	pink
rice	given	darling	posted
saved	grip	don't	recall
short	ha	farmer	sack
snap	inclose	filng	safe
snowed	kitten	forth	sending
swell	least	hate	sum
training	ma	held	taken
yellow	number	herewith	trade
	plum	inasmuch	word
39%	porch	need	write
afternoon	printed	next	
bugs	road	oldest	34%
camp	rolling	other	alone
coy	scrap	own	bean
draft	slide	pack	beg
drill	spend	rack	began
evening	stick	rank	bother
feeder	stunt	roof	boxes
getting	washing	sick	delay
goat		sorry	everyone
handy	yard	south	feeling
having		supper	fellow
homesick		tank	filling
horse		teeth	gift
I'll		their	handsome
know	across	wash	hardly
lame	again	which	hole
leave	badly	won't	indeed
lunch	bite		insist
meet	boss	35%	July
Monday	broke	air	kindly
neck	clothing	also	listed
printing	contest	aunt	loud
reading	cost	base	meal
renting	cross	blood	mostly
right	dandy	catalogue	mouth
round	eye	chair	neat
Sat.	farther	chill	Nov.
shed	fight	church	Oct.
sock	frost	clean	oil
spelling	fur	cooler	picking
summer	great	cover	pride

riding	flesh	chairman	heat
row	folder	change	household
says	gas	charge	merry
shame	gladly	children	Mrs.
shortly	lighting	chum	named
sir	likely	crib	payment
somewhat	linen	crop	per
space	making	deliver	printer
spending	many	drew	rained
taking	pain	few	shipping
tiny	poorly	forest	thick
	33%	race	thus
bench	seat	fourth	true
called	seventh	frame	trying
dice	shade	harvest	visit
dose	slept	herein	warm
east	stage	hundred	you'll
eve	stating	I'm	28%
fear	ton	joke	add
half	water	limit	attending
holder	whereby	larger	basket
house		pair	Bible
ill	act	party	brought
intend	asked	please	brush
later	baking	post card	calf
less	beat	scout	cheer
mean	chose	showed	Dr.
meeting	creep	sooner	drilling
peach	enter	sound	fitting
pending	floor	strongly	garden
profit	folk	together	gee
rabbit	funny	treat	likewise
remind	grandma	trunk	manage
renter	grind	understanding	mighty
sash	job	washed	nearly
saving	nearer	weak	present
soap	needing	wonder	selling
spoke	newspaper		sleet
those	none	29%	speed
	pound	amount	stranger
adding	protest	awhile	sunshine
agree	sale	beef	talking
ahead	shape	before	thankful
belonging	smaller	belt	track
catch	stair	birthday	trained
cattle	stock	booklet	workmanship
check	teach	brick	27%
clever	waste	closing	anyone
club	white	dearest	behalf
count	woven	dearly	block
covering		depend	cared
dead	STEP 16—27%	depending	carpet
deed	30%	fail	carrying
dress	another	fix	chapter
every	banking	front	cleaner
father	begun	grew	cleaning
file	blew	hair	cloth

coffee	unless	kisses	prior	
content	wanted	lace	prize	
credit	wheel	largest	proper	
dare	yesterday	lose	pump	
Dec.	yoke	maid	pupil	
does	25%		pure	
extent	all right	member	regard	
former	body	membership	regret	
growing	delighted	o'clock	remit	
housekeeping	dressed	oven	respond	
idea	dresser	partly	sand	
lining	eight	planted	September	
maple	everything	proud	team	
nobody	family	rail	throw	
opened	glove	removed	understood	
packing	heap	rented	walked	
paint	inclosing	sheet	would	
self	jar	shipment	22%	
strike	loss	shoe	absent	
strongest	lung	sire	adjust	
sure	mailed	started	afraid	
tax	marking	tight	anyway	
teacher	maybe	township	battle	
until	overlooked	turned	beaten	
wishes	people	twice	board	
worked	played	use	chart	
26%		wise	copy	
admit	queen	won	disposed	
always	renew	world	dollar	
branch	seal	worth	dream	
coal	silver	STEP 17—21%		
danger	somewhere	almost	flour	
December	steel	beet	forty	
film	talk	bigger	fruit	
granted	trusting	burn	gain	
grown	twenty	carry	glasses	
heating	understood	closed	investment	
high	voting	cloudy	latest	
insert	weekly	colt	living	
isn't	welcome	deeply	lowest	
January	western	demand	lucky	
knew	wire	died	moved	
mass	24%		namely	
month	army	dirty	news	
ninth	brain	enjoying	nineteen	
November	broken	finest	oblige	
oats	crowd	fixed	per cent	
opening	early	greater	picture	
pencil	enjoy	grove	pocket	
point	filled	inviting	quick	
press	fund	finest	seemed	
program	handled	main	simple	
pull	haven't	match	sixty	
remark	helpful	October	skating	
saver	higher	oversight	soil	
thread	invited	plain	stuff	
tire	joyful		toward	
	kept		tried	

turn	habit	pillow	seller
velvet	hereafter	plenty	shown
<i>21%</i>		quart	sickness
aid	iron	quite	sitting
because	I've	regarding	slight
birth	junk	retail	talked
bought	knowing	rushed	throat
cook	law	seventy	twelve
crew	load	struck	vary
daddy	matter	thereafter	violin
exchange	permit	travel	waited
foolish	powder	tread	weather
frankly	public	Tuesday	weigh
highest	quit	upper	whether
hotel	Sept.	watch	writer
I'd	since	wheat	Xmas
inclosed	single		
itself	size		
Latin	standard	<i>STEP 18-16%</i>	
latter	supply	<i>18%</i>	
loaded	title	above	acting
misses	vote	ache	adopted
money	wagon	adjustment	artist
moving	wedding	afloat	attain
nerve	whole	already	cabinet
nicely	withdraw	April	chain
pretty	wrote	benefit	chance
setting	yearly	charming	damage
submit	young	chicken	debating
taste	youth	closely	delivered
tested		company	else
third	address	delayed	enjoyed
thought	ans.	discount	everybody
voter	anything	dispose	fifth
wrong	anywhere	extra	forgotten
<i>20%</i>		grandfather	globe
agreed	blooming	greatest	haste
among	buyer	growth	hello
attend	center	hurt	independent
brown	choose	inspect	informed
busy	coin	invite	known
buying	counting	joined	labor
coach	doctor	laid	lamb
dance	edge	mailing	lately
dated	entry	minister	leaf
death	fact	moment	liked
debate	feel	ninety	management
detail	forwarding	odd	needed
dwelling	French	otherwise	person
enclosed	friendly	passed	power
enclosing	inches	placed	prevent
fare	item	plainly	reaches
fever	join	postage	ready
forenoon	lumber	railroad	recently
forwarded	mister	reported	refund
goose	monthly	sample	rule
grain	music	Saturday	sore
	perhaps		study
			tatting
			ticket

The Iowa Spelling Scales

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tired	awaiting	Aug.	uncle
transit	booster	basis	useful
Tues.	bottom	billed	value
used	branches	bowl	waiting
worm	building	buggy	wearing
zero	cheerful	captain	weary
16%		client	wouldn't
advice	comply	change	
advise	devoted	changing	
agent	dread	cleaned	
auto	easy	clerk	STEP 19-12%
await	final	clothe	13%
bottle	finished	control	alfalfa
country	follow	county	aren't
dancing	fourteen	covered	boiler
didn't	fully	dealing	booth
enclose	hasn't	delightful	bushel
fern	hurry	elect	charged
fifteen	ideal	expert	classes
friend	island	failed	clearly
froze	knot	flavor	confined
further	largely	fullest	constant
greeting	liberty	gasoline	dozen
handle	locate	germ	eager
heard	lonesome	gotten	extend
helped	losing	gravy	fairly
hoped	loving	hardware	fancy
intended	mistake	hare	greatly
lesson	outlined	improve	industry
loose	painter	inst.	learn
lower	pastor	kindness	learned
message	presented	ladies	leaves
nurse	primary	loan	level
owe	proved	lonely	lovingly
range	rainy	manual	model
rapidly	raised	mere	movement
raw	repair	method	needle
reach	return	missed	noise
reached	scare	office	owing
reaching	score	ordering	patent
reply	semester	packed	pavement
rubber	serve	placing	pleased
sew	sewing	provided	proof
square	shock	quickly	recent
term	spare	renewed	recovered
that's	speak	respect	remembering
unpaid	stayed	ribbon	served
utmost	suit	serving	share
whom	temple	should	slipper
wished	therefore	slightly	taught
woman	visited	smooth	thousand
15%		speaker	topic
aim	wait	stated	wasn't
anybody	wondering	steam	watching
anyhow	14%		women
August	afterward	thanksgiving	you'd
	ashamed	thereof	zone
		unable	

The Iowa Spelling Scales

12%			
answered	second	recover	kitchen
apply	server	relation	leaving
beyond	settle	remove	length
breaking	skirt	scale	limb
build	soldier	spirit	madam
candle	tract	splendid	married
caught	using	steady	middle
checking	voice	stopped	misunderstanding
choosing	Wednesday	strict	ordered
coasting		subject	painting
color	advantage	suffering	preparing
comfort	agreeable	talent	properly
cough	amendment	tanning	publisher
decline	backed	taxes	quiet
dependent	bluff	to-morrow	quote
desire	careful	truly	reason
earth	carefully	we'll	refer
eighty	cause	witch	remember
eleventh	caused	worry	represented
enrollment	colored		result
fence	cottage	10%	several
forward	court	abstract	simply
freeze	cute	advising	spread
friendship	delivery	against	stamped
furnish	disgusted	allow	studying
gaining	during	ankle	supplied
guess	enough	answer	text
health	entirely	answering	Thursday
hence	express	applicant	trace
illness	February	automobile	wonderful
installed	federal	Ave.	X-ray
interest	formed	awful	
ivory	formerly	barley	
leader	graze	bridge	
letting	heavy	Bro.	
located	history	button	9%
manner	interested	cheap	acre
meantime	interesting	coast	addresses
northern	manager	collar	advance
obliged	modern	condition	advertising
offering	nevertheless	crazy	appeal
organ	notion	democrat	attach
ought	offered	destroyed	attached
owned	painted	due	bass
patch	parlor	ease	boarding
performed	penny	enroll	broad
problem	piano	entitle	candidate
providing	picnic	field	carried
quarter	post office	furnishing	cheaper
rapid	prevented	gallon	confident
record	promotion	gentleman	consist
refuse	prompt	hadn't	contain
request	promptly	heretofore	contained
rifle	proves	important	containing
safety	putting	including	continue
season	raising	information	convince
		invoice	cotton
			credited

STEP 20—8%

customer	united	relative	graduation
daily	vacation	renewal	grammar
dairy	valued	republican	guide
data	view	reputation	heir
dealer	whose	returning	homestead
degree	writing	satisfy	honest
deportment	yourselves	shipped	human
direct	8%	shipper	hurried
discontinued	addressed	sign	improved
duty	advertise	situation	increasing
employed	ample	statement	jury
enrolled	argument	station	justify
entertainment	assist	sugar	learning
except	assortment	surprise	leather
favor	attention	thesis	librarian
firm	barely	though	limited
following	believe	touch	listen
fortune	blackberries	towel	literary
girlie	braid	visiting	location
happened	builder	waist	loyal
improving	built	we've	merit
instant	bulk	winner	obtain
instructed	cellar	7%	operation
intention	comfortable	ability	patron
internal	confer	according	perfect
international	continued	acted	perfectly
machine	daughter	active	piece
nation	education	addition	policy
normal	effort	adjusted	prepaid
ocean	establish	administrator	property
pattern	etc.	ambition	published
peace	figure	auntie	question
phone	fuel	between	register
phoned	gained	bracelet	regular
potatoes	gentlemen	break	regulation
postal	German	breakfast	remedy
prefer	good-bye	capital	remembered
president	grateful	cashier	rendered
promised	healthy	checked	resident
proven	meter	concluded	section
raise	officer	consider	seldom
reasonable	opera	considerable	shopping
remain	operated	contract	shoulder
replying	package	conversation	style
represent	payable	cutting	suppose
requested	pearl	desired	thirty
returned	planning	develop	total
ruin	pleasant	director	transfer
running	position	discovered	treated
rye	priced	dodge	vacant
student	Prof.	drama	valley
suggest	protected	entire	STEP 21—6%
support	provide	exceptional	6%
through	queer	explained	account
trouble	raiser	fault	action
turkey	realize	fitted	actor
uniform	reduce	force	

The Iowa Spelling Scales

advertisement	ourselves	convinced	submitted
allowed	personal	correct	suggested
although	planned	course	
altogether	popular	deserve	supposed
appear	possess	district	terrible
applied	possibly	doesn't	tickled
appointment	prayer	doubt	volume
average	preacher	earnest	watched
avoid	product	employee	
ballot	prospect	entertaining	STEP 22—4%
based	really	ere	4%
believing	realizing	estimated	absolute
blessed	repeat	example	absolutely
calendar	require	expected	accept
cherries	retain	explain	accordance
choice	route	explaining	advised
college	saddle	federation	alley
common	sanitary	female	appearance
complete	satisfactory	foundation	appointed
congratulate	secure	general	arrive
consideration	secured	group	arrived
contemplated	separate	hauled	assuring
convention	settlement	headache	bonus
copies	silence	honestly	butcher
corporation	slippery	illustrated	canvass
correspondent	studies	include	capacity
couple	subscriber	included	carrier
cousin	surprised	invitation	certain
curtain	throughout	lbs.	circular
decide	traveling	lodge	compelled
decided	treatment	maintain	constantly
desiring	trial	mentioned	correction
earning	weight	million	crippled
eighteen	weren't	minute	cure
either	worrying	moral	democratic
election	worse	narrow	deposit
English	worst	noticed	depot
entered	5%		described
envelope	advertised	owner	directed
examination	affair	particular	disappointment
favorite	amounting	parties	disposal
figured	attractive	personality	earliest
forced	beauty	pertaining	elected
graduating	biggest	possible	entitled
hesitate	calm	preparation	evidently
holiday	cement	prepared	exactly
honor	central	private	exam.
hospital	chief	quoted	excuse
husband	cigar	reliable	exhibit
ironing	cities	reliability	expired
judge	combination	requesting	expensive
label	commence	reserve	expressed
mention	conduct	salary	fabric
neglect	congratulation	select	factory
notice	consequently	service	failure
notify	considered	sorrow	future
orange	considering	stories	

genuine	union	disease	occupied
graduate	urge	distribution	operating
guest	valuable	division	ordinary
handkerchief	welfare	dreadful	organization
happiness	worthy	durable	organized
headquarter	written	easily	original
immense	3%		
improvement	absence	employer	parcel
inclined	accomplish	entering	parent
increase	accommodate	epidemic	period
inquire	acquainted	equipped	practically
inquiry	administration	error	practice
instead	adventure	especially	premium
instruct	agriculture	established	prepare
investigation	allotment	excellent	presume
jobber	animal	excited	principal
judgment	anxious	exciting	principle
laugh	application	expense	privilege
lecture	appreciated	explanation	probably
legal	arrange	extensive	proceed
library	arranged	factor	profitable
local	article	factories	promise
manufacture	assembly	favorable	publication
meant	assistant	favored	rec'd
merely	athletics	feature	received
nature	attended	figuring	recommend
neighbor	author	freight	referred
neighborhood	automatic	frequently	regardless
nervous	available	frozen	relieve
nickel	awfully	furnace	requirement
obligation	balance	furnished	reservation
obtained	banquet	garage	response
practical	bargain	geometry	resulting
practicing	brief	ghost	Sabbath
procured	bulletin	guarantee	salesman
produce	burden	guaranteed	satisfaction
progress	business	imagine	satisfactory
purchase	carnival	increased	secretary
purpose	cedar	identify	securing
quality	certainly	indicate	sense
receive	climate	inducement	society
reference	collect	immediately	straight
referring	completely	installment	subscription
refreshment	composition	instance	superintendent
refused	concern	institution	surplus
required	confirming	investigate	telephone
respectfully	connected	involved	thorough
satisfied	connection	journal	thoroughly
search	conveniently	justified	timothy
settled	co-operating	knowledge	usually
signature	couldn't	magazine	
signed	council	material	
special	crowded	materially	
surface	debt	measure	
sweater	difference	mortgage	
theater	difficulty	national	
treasurer	direction	naturally	
		object	

STEP 23—2%

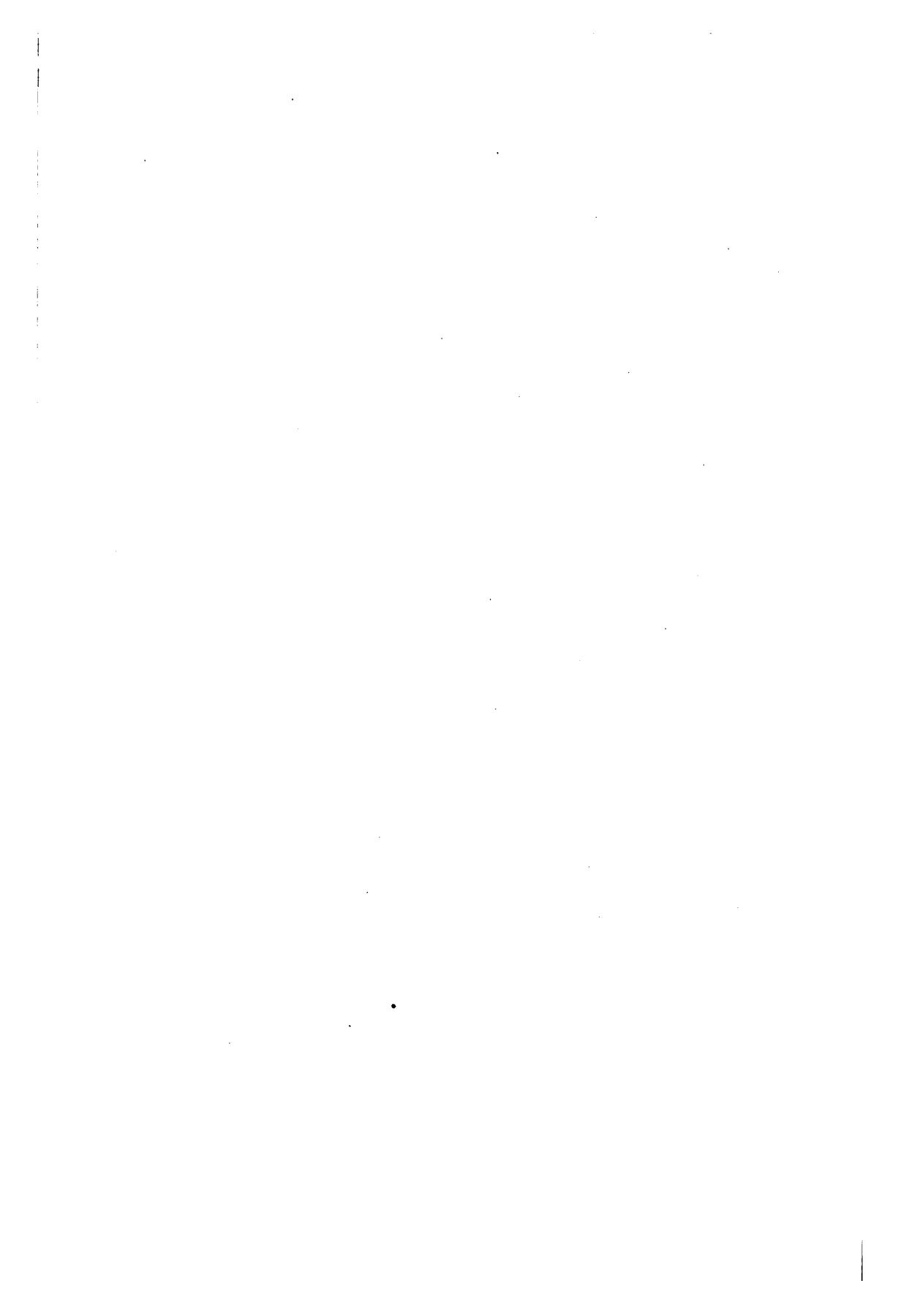
accordingly
additional
affectionately
annual
annually

The Iowa Spelling Scales

anticipating	elsewhere	production	appreciation
appendicitis	engineer	proposition	approved
arrival	engineering	purchased	arriving
assessment	entertain	qualities	assigned
assure	equipment	quantity	assignment
assured	excess	readily	assistance
attempt	exclusively	receiving	associated
attendance	executive	recess	association
authorized	exercise	recite	assume
aware	exhibition	reduction	assurance
beginning	existing	registered	attraction
canned	experience	registration	authority
capable	expression	remembrance	avenue
certificate	extreme	representation	barrel
chautauqua	fashion	responsible	calves
Christian	finally	rough	campaign
circulation	followed	rural	candidacy
circuit	fraternally	selected	celebrate
circus	funeral	senior	channel
citizen	geography	similar	choir
civics	glorious	sincere	circumstances
coarse	gratitude	social	commerce
collection	grocery	solicit	commercial
commission	Hallowe'en	strawberries	community
commissioner	honorable	succeeded	companies
committee	illustration	success	conclusion
communication	importance	successful	conference
companion	impossible	superior	confirm
complaint	influence	supervision	connect
concerning	inquiries	system	consequence
concert	inspector	telegram	considerably
confidence	insurance	territory	constitution
connected	interfere	themselves	construction
connecting	issue	transportation	convenience
conservatory	junior	university	co-operation
consultation	language	variety	cordial
contemplating	legislation	weighed	cordially
contrary	liable	wholesale	corrected
co-operative	liberal	worried	correspond
correctly	literature		crochet
courage	machinery		crocheting
creamery	medicine		coupon
current	mental		dangerous
cushion	merchandise		decision
customary	moderate		decrease
definite	musical		definitely
deliveries	neglected		design
demonstrated	nephew		destination
deserved	niece		discourage
development	organize		duplicate
different	pardon		efficiency
directly	patient		efficient
domestic	permanent		electricity
doubtless	politics		enormous
duties	positive		enthusiasm
effect	preliminary		enthusiastic
electrical	presence		essential

STEP 24—1%

evidence	opportunity	type	disappointed
examine	orchestra	universal	encourage
examined	originally	unusually	equally
examiner	particularly	usual	exact
exception	physician	vision	excitement
exceptionally	pneumonia	zephyr	executed
exhausted	politician		extremely
expecting	possession		familiar
extended	previous	STEP 25—0%	foreign
extension	produced		fortunate
famous	prosperity	acceptance	fundamental
fashionable	receipt	accompanying	generally
favorably	reception	acquaintance	inferior
fierce	reduced	acquire	ingredients
financial	regretting	activity	leisure
furniture	regularly	advisable	majority
generous	relationship	affidavit	manufacturing
government	relieved	agency	maturity
gradually	remained	agricultural	mountain
grippe	remittance	alumni	natural
hastily	representative	ambitious	occasion
humor	resigned	announcement	occasionally
hustling	resource	anticipate	peculiarities
illustrating	scarce	apparatus	personally
immediate	science	appreciating	phosphorus
impression	selection	approval	physical
inconvenience	series	arrangement	possibility
individual	serious	associate	prevail
institute	sincerely	attitude	process
instruction	soliciting	attorney	profession
instructor	specially	auditor	professional
instrument	stationary	blizzard	prosperous
introduced	stomach	bureau	qualities
introduction	straightened	character	quotation
issued	strength	characteristic	recommendation
license	strictly	collecting	responsibility
lieutenant	struggle	compliment	rheumatism
liquid	studied	confirmation	schedule
mechanical	substitute	continuous	scientific
necessary	succeed	convenient	source
necessity	sufficient	correspondence	specification
neither	supervisor	courteous	unnecessary
notary	supplies	demonstration	unusual
notified	surgery	description	various
numerous	sympathy	difficult	
official	tuberculosis	disagreeable	
		disappoint	vicinity



SECTION X
THE IOWA SPELLING SCALE
GRADE III

GRADE III

STEP 1—100%		92%	boy cannot hand run sent we	looking make much must pay put sand sat six snow sun yet
in	by come			
STEP 2—99%	get have			
is	into may			
STEP 3—98%	on are good he it	91% one play say time with	ago as down home so toy when	87% sat six snow sun yet after bed bring cold cow far foot ill just kill made meat they top week
STEP 4—96%	your			83%
can	an for	97%		STEP 8—84%
my	his			
see	like			
that	man		age bell door from letter live night or red thing till us	86% far foot ill just kill made meat they top week
and	some	96%		
be	the			
book	them			
day	up			
she	way			
STEP 5—94%		90%		82%
all	big gold	95%		
at	got			
but	had			
did	her		bee box came coat forget going most three throat	back ball black call doing five gave grass green hard has ink lot mother Mr. playing ring ship Sunday tent thank there wind
do	of			
little	over			
not	think			
out	this			
was	tree			
you	wood	94%		
dear	ask	94%		
dog	give			
eat	how			
go	if			
me	land			
old	last			
to-day	let			
year	look			
STEP 6—92%	love			
ice	tell	93%		
will	ten			
	then			
	being	88%		

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STEP 9—79%	singing	song	glad
81%	tenth	soon	here
about	too	spell	hunt
am	town	standing	mine
baby	war	start	note
bank	78%	state	sad
bay	along	told	shop
best	aside	two	sold
each	car	under	stand
feet	colder	want	stop
fill	face	why	table
food	fat	within	thanking
hill	girl	STEP 10—73%	to-night
him	goat	76%	wall
inside	hall	win	74%
lay	house	add	bid
May	lake	bear	cap
more	late	calling	eye
seeing	left	card	Feb.
send	March	care	first
sheep	off	corn	flat
without	oil	fall	help
work	once	find	hot
yes	rain	four	Jan.
80%	same	happy	Miss
away	stay	hear	nice
boat	take	hold	our
butter	very	joy	pink
cake	77%	keep	print
cent	backing	kind	real
cut	band	longer	said
ever	belong	low	saw
free	blow	never	seen
lost	cup	park	spent
Monday	end	pen	to
morning	fell	pin	willing
new	fine	plan	yard
no	flower	room	75%
pig	fun	seed	better
place	grand	sleep	bill
read	hay	spelling	east
stove	its	sport	forget
sweet	mad	stone	goldfish
went	now	summer	lived
west	nut	upon	lives
working	overcoat	where	many
79%	papa	able	myself
become	part	around	net
child	pine	banker	nine
hen	ride	cover	noon
milk	rust	dad	open
name	side	every	river
pie	silk	farm	rock
poor	sister	Friday	set
rich	snowing	game	show
school	son		sick

The Iowa Spelling Scales

soft	washing	step	those
window	wish	test	took
winter	70%	wanting	walking
72%	afternoon	68%	which
any	barn	arm	white
baker	became	asking	write
blue	can't	bat	yellow
city	children	behind	66%
cook	cream	below	adding
dance	deep	brand	air
die	drive	bright	alive
dinner	dust	danger	belonging
gate	faster	dark	cane
head	father	fair	cattle
helping	gray	feed	clock
inch	heat	fit	coming
kiss	hit	June	done
maker	hog	lady	don't
mate	hour	lone	fire
mill	large	mail	ford
near	mark	north	form
older	mud	nothing	garden
paper	oh	order	gather
picking	outside	race	handed
post	page	rolling	holding
rent	price	sin	kindly
rose	rest	sit	leave
shot	round	spot	ma
store	sell	starting	making
thin	spring	teach	market
tip	train	teacher	meal
were	true	thinking	pa
who	trust	try	paying
wide	water	walk	reading
71%	wife	yourself	report
bird	STEP 11—66%		stamp
brother	69%		whatever
date	art	banking	65%
even	been	been	added
felt	blank	blank	author
finding	both	both	bet
forgive	clay	clay	born
found	Dec.	Dec.	bunch
gone	fort	fort	cool
kid	glass	glass	hers
landing	hair	hair	hunting
life	however	however	income
pick	master	master	January
plow	Nov.	Nov.	lame
seven	plate	plate	met
slow	Sat.	Sat.	mind
stage	seat	seat	move
still	shut	shut	right
stood	something	something	rush
supper	stick	stick	sending
telling	street	street	sort
	teeth	teeth	south

The Iowa Spelling Scales

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such	eve	nor	harder
talk	farmer	ours	holder
wake	fear	pass	jump
wild	few	past	kitten
	64%	fight	looked
ahead	finger	pencil	meet
bean	July	please	October
buy	longest	porch	only
camp	luck	post card	pain
cash	mean	posted	pillow
class	news	rail	pole
delay	nose	raining	roll
drum	own	saved	sis
feeding	party	shoe	sixty
handy	per	small	someone
horse	poorly	space	staying
later	reader	sugar	taken
lift	rice	than	talking
neck	sack	their	while
next	safe	whenever	wonder
pack	sink	worker	wool
peach	sir	yearly	58%
rank	smart	always	army
short	tank	apart	case
slip	tend	asked	chop
snowed	thereafter	bite	church
storm	tiny	block	darling
these	trip	body	December
wet	weak	cloth	everything
	63%	wishing	forest
also	would	count	gift
brick	61%	cross	glove
cast	another	dream	goose
clean	April	fifty	half
cooking	asleep	football	happen
cord	blame	great	having
dandy	brush	job	high
display	chair	loved	leaves
flour	coal	month	matter
fur	contest	nearly	pound
ha	corner	need	rained
held	dead	none	seem
indeed	deal	outfit	shade
mouth	dearly	queen	shall
nap	died	shipment	soap
roof	fellow	sunshine	sorry
sound	hang	tie	stated
spend	hardly	Tuesday	teaching
taking	hearing	wise	thought
track	herself	won't	twenty
	hole	yesterday	wash
STEP 12—58%	inasmuch	59%	word
	kinder	across	world
62%	know	afloat	57%
bringing	larger	beat	agree
draft	list	begin	alone
eight	miss	blood	anyone
		farming	

The Iowa Spelling Scales

anything	56%	oldest	color
basket		packing	creep
bench		passing	deed
content		point	dresser
egg		ready	heating
filling		recall	homesick
fix		rented	hoping
frost		riding	island
fruit		rod	leader
grant		says	learn
growing		sight	maid
kindest		somewhat	oblige
lie		sore	opened
liver		stranger	overlooked
money		swell	rack
oven		township	shape
peace		treat	spoke
reach		use	stunt
renew		wanted	thankful
row		washed	trade
self		53%	wage
should		boxes	Wednesday
skate		branch	51%
slide		chart	bother
stock		earth	bugs
warm		farther	carry
wheel		folk	counting
56%		grain	country
again		I'll	crib
aunt		inform	deliver
belt		keeping	early
called	STEP 13—50%	mend	easy
carpet	54%	mostly	eighty
check		penny	finish
clothing		powder	folder
damp		pride	former
enter		quick	forth
floor		render	greeting
gladly		saving	hate
law		selling	hereafter
marking		sheet	lovely
Mrs.		sooner	lumber
nobody		team	mailed
oats		training	mamma
orange		trusting	paint
pocket		welcome	person
printed		wheat	proper
protest		whereby	proud
rabbit		worth	railroad
renter	52%	invited	shed
silver		itself	soil
third		leg	steam
thread		less	study
thus		load	thick
tile		lump	throw
wishes		might	twice
		November	unless

wagon	tire	speaker	housekeeping
youth	trying	ton	invite
		travel	inviting
50%	anyhow	trunk	leaf
booklet	before	used	learned
brown	Bible	velvet	liked
candle	broke	wire	loaded
depend	copy		loud
does	coy	afraid	painter
grew	drew	almost	pending
grind	feeder	began	played
intend	front	behalf	pleasure
killed	heard	between	plenty
lighting	herewith	chicken	press
lose	higher	closing	reached
maple	hoped	dice	simple
meeting	household	enjoy	sleet
nearer	listed	fail	Thursday
opening	match	fifteen	together
payment	mister	flesh	tried
pools	moment	frame	unable
pretty	picture	funny	waited
remark	post office	grip	weather
seventy	remind	grown	woman
stair	rule	inclosed	wrong
understanding	seal	junk	44%
walked	shame	kindness	beet
weekly	speak	kisses	board
young	stating	laugh	calf
	sum	lesson	cleaned
49%	tax	liberty	company
all right	ticket	living	cotton
bog	turn	maybe	dare
boss	wear	named	Dr.
bottle		neat	everybody
brain	catch	painted	feeling
busy	change	pleased	filled
coffee	cleaner	printer	gas
colt	clever	shortly	harvest
doctor	death	strongest	improve
fence	dread	watch	inches
file	drug	won	joke
forty	garment	woven	joyful
fresh	gee		largest
glee	gown	STEP 14—42%	likewise
granted	iron		membership
handle	knew	45%	newspaper
I'm	main	ans.	odd
lunch	member	anyway	pump
moving	merry	blew	regard
partly	moved	branches	regret
people	needling	broken	retail
printing	nineteen	buying	rubber
renting	remove	demand	scout
September	rip	French	sewing
seventh	sash	getting	sock
sixth	scrap	grove	somewhere

adjust	haven't	permit	crazy
backed	highest	raised	earnmg
bottom	inclosing	rushed	elect
buggy	outlined	score	expert
button	placing	shoulder	extra
catalogue	remember	soldier	finished
caused	serve	waist	forgotten
checking	share	waste	formed
clearly	single	wonderful	forwarding
county	skirt	zone	hotel
cutting	strongly		item
dancing	thirty	32%	I've
depending	toward	acting	level
eighteen	visiting	build	lining
field	34%	builder	lonesome
friendly	advise	changed	narrow
further	agreed	comfort	ninety
habit	break	debating	parlor
isn't	Bro.	delivered	picnic
lamb	choose	desire	proof
leaving	coast	disposed	recovered
lucky	court	eleventh	returned
mailing	devoted	enough	season
misses	dollar	exchange	served
mistake	figure	fourteen	shipping
nerve	film	froze	thousand
nevertheless	frozen	fullest	truly
owing	gravy	gum	upper
pearl	handled	greatest	
proved	kept	homestead	STEP 16—27%
quarter	letting	independent	
ribbon	performed	inspect	30%
setting	repeat	labor	advice
showed	scale	lowest	barrel
spread	shopping	needle	broad
talked	submit	nicely	careful
Thanksgiving	through	ninth	caught
tired	value	officer	charged
tread	33%	oversight	cheaper
treated	carrying	owe	cheerful
wait	changing	placed	credit
watching	collar	providing	eager
	daddy	quiet	else
55%	dealing	reaches	enclose
August	dispose	server	enjoying
awaiting	edge	shone	February
bigger	fancy	simply	foolish
bulk	fever	square	helped
center	fitting	stuff	invoice
chapter	forwarded	though	nickel
daily	illness	understood	nurse
enclosing	intended	voting	plainly
express	kitchen	whether	provide
failed	lung	31%	raising
family	mass	absent	recite
fixed	obliged	await	record
	o'clock	beaten	scare

sign	middle	artist	loan
slight	notice	beyond	offering
struck	passed	bowl	package
vacation	patent	closely	perfect
worry	phoned	continue	piano
	29%	pupil	problem
admit	putting	cure	promise
alfalfa	repair	delivery	rainy
answered	saddle	dreadful	recently
breakfast	stayed	ease	renewed
checked	studying	explained	requested
cherries	taught	favor	stories
covered	taxes	force	towel
dealer	touch	gaining	24%
enjoyed	united	gentleman	active
explain	valued	graze	adjustment
extend	voice	health	billed
German	we'll	hence	circus
laid		honest	cousin
Latin	addresses	improving	cripple
losing	aid	limit	dodge
pavement	attend	married	figured
per cent	blessed	preacher	friendship
prevented	booth	properly	furnish
proven	bridge	public	hasn't
queer	carefully	refund	Hello
raise	coasting	serving	industry
recent	confined	shock	inst.
recess	contain	spare	interesting
remembering	detail	stamped	lately
request	entry	trouble	management
rough	factory	watched	mention
sire	furnishing	wearing	model
smooth	happened	wondering	obtained
supply	holiday		ordered
temple	including	acted	owned
to-morrow	instead	amply	primary
turned	investment	ankle	prior
unpaid	largely	answering	property
using	loose	balance	rapid
worse	ocean	barley	refuse
yoke	respect	blooming	suitable
	returning	captain	text
built	ruin	clothe	whose
cheap	secure	common	wouldn't
colored	standard	control	
consist	statement	cough	STEP 17—21%
decline	suffering	crew	23%
delayed	surprise	dairy	advance
fern	throughout	didn't	aren't
gain	useful	either	breaking
haste	vary	entering	carried
ideal	violin	excuse	cellar
joined	zero	forenoon	contained
ladies		good-bye	containing
locate	aim	greatly	
lovingly	amounting	instant	explaining

formerly	entertaining	prompt	tatting
freeze	entire	quoted	uniform
gentlemen	ere	rapidly	worrying
group	etc.	receive	
guide	except	refreshment	STEP 18—16%
headquarter	flavor	rendered	18%
interest	following	replying	addressed
language	hurried	require	attain
manager	improved	search	avenue
message	jury	silence	avoid
pastor	maintain	situation	butcher
postal	method	splendid	cartoon
presented	owner	stopped	climate
slightly	promised	weigh	companion
sorrow	represented		couple
talent	strict	19%	described
treatment	suppose	advising	employed
22%	tract	apply	enrollment
abstract	traveling	argument	example
actor	visited	booster	final
animal	wasn't	cigar	information
attending	winner	confident	intention
bluff	written	creamery	interested
boarding	you'd	due	lecture
dependent	yourselves	favorite	lodge
earnest		fortune	mentioned
enroll	20%	fuel	notion
entered	addition	furnace	offered
fare	adjusted	furnished	operated
firm	advantage	guest	popular
headache	advertised	handkerchief	prepared
healthy	alley	husband	procured
pattern	aware	important	Prof.
publisher	beauty	include	prospect
rye	cabinet	included	raiser
seldom	client	installed	refused
steady	constant	ironing	republican
studies	convention	jobber	reserve
surface	decided	minister	safety
term	deportment	normal	semester
transit	deserve	obtain	settled
21%	direct	planning	slippery
adopted	dwelling	pleasant	spirit
against	enrolled	promotion	
agreeable	female	protected	17%
allow	figuring	question	although
amendment	fitted	realize	benefit
attach	gained	refer	biggest
automobile	growth	represent	calm
bass	honestly	required	carrier
believe	honor	satisfied	comfortable
burden	increasing	select	condition
chief	limited	settlement	democrat
degree	located	several	desiring
desired	machine	station	effort
discovered	missed	student	election
English	modern	subject	entertainment
	northern	support	

expressed	theater	separate	doubt
fault	tickled	valley	exciting
grocery	topic	14%	extended
hadn't	vacant	adventure	famous
human	we've	advertise	followed
instructed		affair	foundation
ivory	15%	applied	freight
length	advertisement	assist	general
local	advertising	auntie	girlie
loyal	altogether	barely	graduating
nature	appear	basis	graduation
piece	based	candidate	heir
prepaid	bracelet	capable	inclined
produce	canned	capital	inspector
really	choice	concluded	location
relation	combination	conduct	meant
rifle	correct	confer	parcel
shipper	customer	consideration	period
sweater	cute	continued	personal
weighed	destroyed	copies	positive
16%	district	course	prefer
ambition	drama	excited	production
average	entitle	expecting	realizing
bargain	equally	factor	salary
blackberries	expired	fashion	sanitary
consider	gasoline	forced	satisfaction
considering	importance	judge	secured
contemplated	increased	library	selection
conversation	international	manufacture	stomach
daughter	madam	operation	success
decide	manual	parent	telegram
depot	measure	product	telephone
directed	meter	quote	total
direction	misunderstanding	relative	welfare
director	moral	reputation	worthy
discontinued	mountain	Sabbath	12%
disgusted	neglect	studied	advanced
doesn't	neither	style	assure
education	object	tanning	attention
entirely	organized	view	believing
federal	ourselves	weight	central
future	pardon		coarse
garage	perfectly	STEP 19—12%	college
grateful	president		complaint
inquiry	publication	13%	complete
lbs.	published	ache	congratulation
parties	purpose	action	considered
patron	reasonable	advised	constantly
pertaining	reduction	appointment	contrary
prayer	regardless	arrange	convince
promptly	relationship	braid	different
result	renewal	certainly	duties
route	requesting	choosing	easily
service	resident	considerable	elected
shipped	resulting	couldn't	equipment
struggle	salesman	credited	exam.
surprised	satisfactory	disposal	existing
	scarce		

expected	progress	suggested	arranged
failure	reference	treasurer	article
favorable	register	trial	assuring
heretofore	remembered	valuable	attended
inquire	section	volume	attraction
invitation	straight	worried	attractive
justify	surplus		calves
literary	themselves		canvass
niece	10%		carnival
personality	absolute	STEP 20—8%	cashier
preparation	according	9%	Christian
prepare	agency	absolutely	cities
priced	appeared	account	collect
produced	applicant	administrator	connect
regular	arrived	arrive	connected
remedy	attached	assured	consequently
respectfully	automatic	banquet	council
responsible	beginning	certain	current
sense	cement	choir	deposit
signed	commence	companies	description
strawberries	concerning	composition	design
superintendent	convinced	confirming	disappointment
transfer	co-operating	deliveries	entitled
X-ray	corporation	democratic	exception
11%	crowded	deserved	favored
ability	data	distribution	instance
appeal	develop	earliest	involved
athletics	directly	elsewhere	literature
awful	engineer	establish	machinery
calendar	envelope	established	merit
capacity	exactly	examination	mortgage
cedar	exhibit	extensive	ordinary
concern	fabric	factories	particular
concert	grammar	funeral	preliminary
conference	happiness	genuine	preparing
congratulate	hesitate	geography	prevail
correction	hospital	hailed	proceed
courage	indicate	honorable	recommend
curtain	influence	improvement	representation
duplicate	instruct	neighborhood	requirement
durable	internal	nervous	resigned
employee	investigation	obligation	satisfactorily
entertain	justified	organize	satisfy
evidently	million	practice	secretary
explanation	neglected	quality	signature
ghost	nephew	received	suggest
identify	noticed	registration	supplied
increase	policy	reliability	supplies
installment	presume	relieve	universal
institution	private	selected	7%
label	proposition	strength	additional
liquid	rec'd	subscriber	allowed
mere	reduced	thesis	application
opera	registered	thorough	assistant
position	regulation	union	attempt
possess	reliable	8%	authorized
possible	securing	absence	brief

The Iowa Spelling Scales

channel	submitted	similar	privilege	
collection	supposed	society	process	
completely	terrible	succeeded	prosperous	
confidence	urge	university	readily	
connection	weren't	variety	regularly	
co-operation	wholesale	vision	serious	
cushion	STEP 21—6%		social	
dangerous	6%		subscription	
debt	accept	accordance	successful	
destination	accomplish	acknowledge	surgery	
difference	agriculture	acquire	sympathy	
division	announce	allotment	timothy	
employer	assigned	alumni	type	
exact	assortment	anniversary	usual	
exceptional	ballot	anxious	STEP 22—4%	
excitement	bulletin	attorney	4%	
exercise	celebrate	available	acceptance	
expense	circuit	awfully	accident	
expensive	circular	bonus	acquainted	
expression	collecting	citizen	actual	
extreme	communication	commerce	advancement	
feature	community	committee	affectionately	
fraternally	compelled	constitution	algebra	
furniture	confirm	contemplating	annual	
graduate	correspond	conveniently	appearance	
hastily	correspondent	correctly	appointed	
illustrated	decrease	correspondence	appreciated	
inducement	demonstrated	coupon	assignment	
instruction	disagreeable	difficulty	assistance	
insurance	engineering	domestic	assume	
introduced	error	doubtless	assurance	
legal	estimated	effect	blizzard	
legislation	evidence	electrical	bureau	
magazine	excess	examine	business	
medicine	experience	exclusively	certificate	
musical	fierce	fashionable	character	
national	frequently	federation	circulation	
notary	geometry	generally	circumstances	
notify	gratitude	glorious	conclusion	
occupied	guaranteed	government	connecting	
operating	hustling	humor	conservatory	
opinion	imagine	illustrating	considerably	
organization	junior	immediate	convenience	
patient	knowledge	immediately	cordially	
permanent	material	impossible	crocheting	
possibly	mental	inconvenience	customary	
practical	merchandise	inquires	decision	
probably	merely	issue	definitely	
profession	neighbor	issued	development	
receiving	numerous	judgment	disease	
reception	original	liable	efficient	
reduce	planned	moderate	electricity	
remembrance	quantity	notified	enthusiasm	
reservation	referring	occasion	epidemic	
rural	remittance	official	examined	
special	representative	politics		
straightened		principle		

The Iowa Spelling Scales

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SECTION XI

THE IOWA SPELLING SCALE

GRADE IV

GRADE IV

STEP 1—100%	hand	why	had
all	in	wind	hat
at	into	your	head
did	last		Jan.
dog	let	an	longer
me	letter	cake	pay
thank	may	cent	place
thing	mother	city	poor
to-day	must	corn	ring
	not	down	river
	old	five	same
STEP 2—99%	on	food	send
and	one	free	some
are	over	going	summer
big	say	gold	sweet
book	she	hard	table
but	that	her	then
day	think	how	time
dear	this	live	to-night
good	way	looking	us
have	when	man	wish
he	will	my	work
his	with	read	working
is		reader	94%
it		red	am
land		sand	bad
like		south	bed
little	apple	tell	bee
look	bell	ten	cannot
May	butter	we	coat
out	by		end
run	cook		fast
see	door		faster
ship	eat		Feb.
tree	green	about	for
up	ice	after	has
was	if	age	him
what	left	ago	just
year	love	baby	kind
you	made	bank	king
	make	bill	Monday
	milk	box	Nov.
STEP 3—98%	night	dark	of
as	said	date	papa
away	school	dinner	pig
be	six	do	play
boy	snow	doing	real
can	state	east	ride
come	Sunday	ever	road
each	them	face	Sat.
get	they	foot	seeing
give	three	from	silk
go	top	frost	stove
got	under	gave	sun

till	ball	blue	bunch
two	below	came	cap
wall	best	coal	car
where	bird	cover	case
wood	blow	fat	country
yet	card	forget	delay
	cat	game	drive
STEP 6—92%	clear	girl	fellow
	cold	gone	fill
93%	cream	hang	fine
along	cup	help	gate
ask	far	house	goldfish
black	farm	ink	grade
blank	feet	July	helping
call	found	June	hill
child	fun	keep	hog
clean	fur	kid	horse
clock	hall	looked	hour
could	happy	lost	hunt
cow	hear	low	late
cut	inch	nine	long
eye	joy	noon	meat
home	lady	open	most
hot	large	page	next
however	lay	park	nut
inside	lived	pen	outside
kiss	lot	post	peach
lake	March	put	people
life	mark	rain	pie
light	more	reading	plow
Mr.	mouth	sat	saying
much	move	sell	shop
name	no	sent	snowed
near	note	show	song
never	October	side	spent
nice	oil	singing	sunshine
number	report	sister	take
Oct.	rest	so	took
off	saw	sport	walk
once	small	standing	war
overcoat	stage	stay	wash
playing	stand	stick	went
price	telling	supper	whatever
rich	thanking	there	wife
room	told	trip	without
store	town	very	worker
thinking	want	water	write
toy	week	while	
walking	yellow	win	89%
well		window	bake
who	air	yes	bear
winter	band		deep
yard	banker		earth
	bay	STEP 7—88%	fell
92%	belong		felt
art	beside	90%	flat
aside	better	any	forgot
back		around	grass

ground	mail	sugar	stood
hen	maker	taking	street
ill	market	tank	teacher
larger	meal	teaching	wild
leave	mine	trunk	wishing
lunch	money	wheel	85%
new	mud		adding
north	now		also
oh	or	STEP 8—84%	barn
older	our	86%	bean
part	pick	block	boat
paying	pin	body	camp
rock	rail	cattle	colder
sheep	rent	clay	dead
sir	rice	close	deal
snowing	row	count	don't
such	seat	crop	feed
taken	seen	dad	first
teach	set	dandy	fort
test	shipment	December	glass
the	son	die	January
weak	stop	dust	job
willing	tent	eight	know
within	train	farmer	leg
word	trust	fishing	many
would		flower	mate
yourself	87%	gather	music
	add	hay	nobody
able	added	heat	plan
afternoon	asking	holding	race
alive	bat	inasmuch	reach
arm	because	master	recall
asked	become	mill	rust
banking	being	Miss	sad
basket	brand	neck	saved
born	bright	nothing	seven
bring	brother	oats	shall
can't	calling	order	short
care	class	outfit	should
children	danger	oven	slow
dance	egg	pine	staying
dress	fire	point	talking
drop	fish	porch	tenth
early	form	pure	trying
even	glee	quick	upon
fall	lives	railroad	washing
finding	luck	round	watch
Friday	meet	sack	wheat
grand	morning	seed	wool
handy	myself	sick	84%
here	net	smart	above
hold	paper	space	battle
hunting	party	spot	been
landing	plate	spring	birthday
law	print	stamp	bringing
loved	sleep	starting	brought
mad	spell	still	brown

catch	remove	speak	wonder
chair	renew	talk	yesterday
church	rush	tip	80%
forgive	shoe	twenty	alone
four	sixty	unless	always
glad	someone	used	apart
island	sound	velvet	ate
kill	speaker	wet	bet
kindly	thin	white	between
lesson	thus	worked	Bible
longest	to	world	board
ma	were		both
other	whenever		broke
ours	wide	STEP 9—79%	change
own		81%	cool
pink	agree	again	cord
pocket	anyone	ahead	covering
pole	Aug.	another	cross
recover	aunt	belonging	drum
sink	backing	blood	eve
spelling	became	boss	everyone
start	blame	bother	fair
stone	bought	cane	find
than	boxes	cleaner	floor
too	buy	clothing	follow
true	charge	contest	granted
Tuesday	Christmas	dearest	herewith
warm	died	death	high
washed	done	display	I'm
won't	football	doctor	inches
yearly	given	dresser	income
	grandma	evening	learned
85%		fifty	less
April	grant	fight	listed
behind	gray	ford	liver
cared	hardly	hair	load
carpet	hearing	harder	maid
cash	heating	having	mailed
cooking	held	homesick	mean
cost	hit	inclose	nap
counting	kinder	later	none
dearly	making	lone	pa
draft	might	noted	pain
every	moved	patch	per
farming	paint	post card	plum
father	pass	renter	rained
finger	passing	rose	removed
forest	person	shot	shape
glove	picking	sin	sight
great	rate	soon	slip
grove	remark	sum	sorry
half	right	swell	started
harvest	safe	these	tie
hole	sit	thick	wagon
kitten	soil	thought	wake
lump	sold	travel	wanted
please	sometime	weather	
printed	sort		

The Iowa Spelling Scales

wear	list	saver	75%
young	lumber	sixth	bit
79%	marking	something	blew
asleep	matter	thereafter	branch
begin	nation	thousand	chart
behalf	nearly	tiny	chop
cleaning	neat	try	closer
darling	officer	which	crib
deed	otherwise	whole	does
feeding	overlooked	worth	dollar
fence	pound		drug
fit	printer	STEP 10—73%	everybody
former	proper	76%	glasses
garment	roof	afterward	heard
goat	sample	amount	holder
ha	sending	beg	I'll
handed	seventh	bench	intend
handle	shade	bite	keeping
invited	silver	calf	kindest
its	size	clever	liberty
jump	somewhere	depend	lovely
leather	speed	dream	merry
mend	spending	drew	mighty
pack	spoke	enough	month
queen	stock	flour	Mrs.
raining	sure	forth	need
rank	Thursday	fresh	newspaper
riding	trade	gallon	office
self	twice	grew	pair
shut	welcome	happen	picture
simple	wrote	hurt	pillow
skate	77%	idea	proud
soap	brick	jar	provide
storm	brush	killed	rack
stranger	carry	met	rented
teeth	check	nose	rip
thankful	closed	painted	rolling
use	colt	pools	rubber
walked	damp	press	scout
wire	Dec.	pride	seem
78%	file	program	seventy
across	friend	prove	shortly
beat	garden	renting	smaller
belt	goose	sash	soft
burn	grain	selling	steel
called	himself	Sept.	stunt
cheer	labor	September	team
cloth	lace	steam	treat
club	leader	their	74%
coming	member	ticket	act
company	miss	tire	ans.
dozen	only	unable	anyway
fail	pencil	understanding	bottle
grandfather	posted	wedding	chance
hundred	printing	wise	chicken
largest	ready	wishes	cotton
lift	rug	woven	fact

The Iowa Spelling Scales

67

farther	inspect	bushel	meeting
field	iron	cast	named
folder	likewise	center	noise
gladly	payment	discount	oblige
guess	peace	during	plain
heavy	pleased	eighty	raised
herself	remain	elect	ranch
joke	returned	fee	reason
kisses	scrap	feeling	repair
leaves	seal	folk	rushed
match	spend	froze	talked
mostly	study	funny	trained
news	temple	gain	won
November	vote	hate	wrong
ocean	wanting	household	Xmas
oldest	whereby	lame	
ordering		latter	STEP 11—66%
phone	acting	least	
post office	agent	living	69%
quart	anywhere	loaded	afraid
rabbit	army	mailing	among
reached	classes	moment	Ave.
rule	cleaned	moving	badly
shame	content	ought	began
sis	dare	packed	brain
sock	deliver	partly	candle
somewhat	drill	pending	cloudy
tend	fear	prevent	court
those	getting	pull	dated
tile	gift	render	drilling
together	gown	return	family
trace	improve	rough	finish
track	indeed	saving	fourth
twelve	kindness	sickness	French
uncle	maple	slide	gee
understand	o'clock	stated	grind
voter	odd	tested	handling
west	planted	thirty	higher
witch	postage	trusting	hoped
	protest	visit	kitchen
73%	providing	wished	leaf
almost	pump		mistake
anything	roll	70%	nearer
awhile	seemed	anyhow	nicely
building	shed	bog	nor
coffee	sore	booklet	orange
county	thread	coast	past
dread	ton	copy	perfect
dressed	township	corner	range
easy	turn	depending	sale
enter	wage	enclose	settle
everything		filled	sewing
failed	71%	flesh	snap
front	answer	formed	strongly
fruit	ashamed	itself	suit
grown	bid	junk	title
heap	branches	learn	withdrew
inclosed	build	main	

The Iowa Spelling Scales

writer	joined	65%	message
zone	lighting		mountain
68%	locate		phoned
broad	lung		picnic
broken	meantime		played
busy	mind		prize
cause	needle		raising
demand	nurse		shipping
enjoyed	obliged		shoulder
filling	payable		shown
forward	plenty		strike
globe	pretty		treated
greater	slipper		until
greeting	third		valued
growing	through		weekly
health	turkey		writing
hers	value		zero
kept	western	63%	auto
knew	wonderful		await
knowing			checking
known			delighted
laugh	afloat		edge
letting	all right		excuse
perhaps	beaten		feeder
placing	chain		figure
poorly	chose		finest
powder	coy		fitting
raw	dispose		handsome
respond	enjoy		hare
Saturday	fancy		helped
says	favor		ivory
since	fifteen		mister
stating	frankly		monthly
strongest	gas		opened
waist	history		pearl
women	joyful		penny
worm	lie		reaches
67%	liked		regard
already	lucky		sitting
August	membership		steady
beef	nerve	64%	waiting
bottom	opening		youth
changed	owned		
changing	packing		
cottage	power		
dealing	proved		
dice	provided		
expert	remind		
express	spread		
few	stair		
haven't	that's		
helpful	throw		
hereafter	vacation		
housekeeping	voice		
including	waited		
invite	you'll		
		STEP 12—58%	
		62%	
			birth
			breaking
			chill
			chum
			contract
			cooler
			cough
			cousin
			Dr.
			enclosed

explain	ease	58%	profit
fifth	improved		public
fitted	intended		shock
forwarding	invoice		surprised
greatest	listen		taxes
hardware	lonesome		turned
hercine	loss		waste
knot	mamma		watching
level	mass	56%	
manage	measure		actor
painting	middle		although
quickly	nature		baking
reaching	offering		boiler
refuse	owe		buying
rod	rapid		cheaper
score	recovered		confined
station	repeat		contained
stuff	retain		daily
thereof	scare		dancing
to-morrow	setting		dealer
wait	settlement		feel
workmanship	sew		figured
61%	skating		foolish
blessed	tread		furnish
charming	tried		German
cheerful	anybody	59%	happened
clearly	appear		I'd
dairy	capital		improving
dirty	caught		instead
disposed	covered		movement
duty	crowd		package
extend	daughter		quarter
friendly	exchange		refund
insist	fixed	57%	regarding
located	following		reported
loud	force		saddle
lower	forwarded		sign
piano	headquarter		slept
reply	hence		tired
sheet	limb		useful
showed	loving		Wednesday
stamped	manner		whom
subject	namely	55%	
though	pattern		amounting
Tues.	pavement		answered
visited	per cent		backed
worse	performed		boarding
60%	placed		buggy
adjust	proven		bulk
advise	quit		charged
awaiting	quite		choose
Bro.	record		crippled
built	request		debate
checked	requesting		decline
color	respect		discovered
comply	woman		enjoying
direct			explained

fairly	dodge	enrolled	forenoon
gotten	fund	excited	garage
grip	future	film	gentleman
industry	germ	fullest	greatly
isn't	holiday	graze	lbs.
lecture	insert	investment	loose
neglect	ninth	length	notion
nevertheless	presented	maintain	potatoes
notice	primary	outlined	promised
plainly	proof	Prof.	queer
pleasure	ribbon	property	quoted
production	scale	rainy	shopping
properly	struck	remained	silence
regret	supply	remembering	sorrow
require	suppose	renewed	surprise
suitable	wearing	server	throughout
surface	wouldn't	weigh	trial
worst	yoke	worry	upper
52%		written	
STEP 13—50%		50%	
54%		48%	
aid	abstract	awful	adjustment
aim	advance	careful	animal
barrel	ample	clerk	avenue
begun	chief	closely	aware
correct	debating	conduct	break
directed	else	entertaining	calm
except	entering	entry	central
flavor	fuel	factory	concluded
friendship	furnishing	February	degree
gaining	headache	loyal	deportment
gravy	Hello	minute	dreadful
include	item	northern	either
intention	likely	noticed	fern
loan	machine	pupil	filng
obtained	maybe	rapidly	gasoline
owing	model	served	hereby
permit	oversight	sleet	judge
raise	passed	standard	lately
second	perfectly	statement	niece
seller	postal	truly	parcel
spare	requested	using	prospect
tight	secure	wondering	putting
watched	seldom	49%	
winner	stayed	advice	recently
yourselves	studies	alley	recess
53%		therefore	recite
adopted	submit	ankle	returning
bigger	treatment	biggest	settled
bowl	trouble	burden	skirt
buyer	unpaid	butcher	smooth
continue	51%		splendid
creep	action	captain	stories
cutting	attend	consist	taste
desire	balance	containing	topic
	beauty	delivery	traveling
	coach	election	visiting
	daddy	example	
		expressed	

		ere	losing
		explaining	manufacture
47%	we've	forced	minister
addition	whose	furnace	missed
admit	worried	instant	object
aren't	worthy	jobber	parties
cabinet		jury	piece
cherries	STEP 14—42%	mentioned	preparing
due		normal	publisher
fare	45%	pardon	reduced
lodge	against	parent	refreshment
patent	artist	popular	relation
pleasant	companion	rendered	represent
quiet	considering	reputation	result
strict	couple	term	rifle
touch	exciting	utmost	scarce
toward	fault		situation
uniform	figuring	allow	worrying
whether	lining	circus	40%
	prompt	complete	agreeable
46%	question	convention	barley
account	studied	duties	blackberries
acted	weight	English	catalogue
active		expected	creamery
addresses	44%	fashion	desired
attending	automobile	gentlemen	desiring
bass	booth	grocery	expired
bluff	carefully	included	gained
booster	carrying	information	healthy
button	conversation	laid	hospital
climate	destroyed	location	inquire
clothe	final	recent	local
credit	growth	shipped	offered
enclosing	handkerchief	slightly	pastor
entered	honestly	sweater	preacher
entertainment	human	view	prepare
forty	independent	violin	promptly
hasn't	modern		realize
honor	neighborhood	41%	reduce
increasing	prepaid	addressed	remember
mention	problem	apply	running
pertaining	replying	blooming	struggle
progress	required	condition	vary
promotion	ruin	contemplated	39%
refused	serving	dependent	arrange
regulation	shipper	different	believe
relationship	soldier	drama	candidate
rye	union	dwelling	carrier
satisfied		elected	comfortable
service	43%	entertain	common
several	advertised	extended	complaint
sire	arrive	famous	constant
student	average	favorable	director
studying	control	ideal	factor
text	debt	important	failure
tickled	depot	interested	female
towel	decision	liquid	
weighed	earnest		
we'll	effort		
	entirely		

The Iowa Spelling Scales

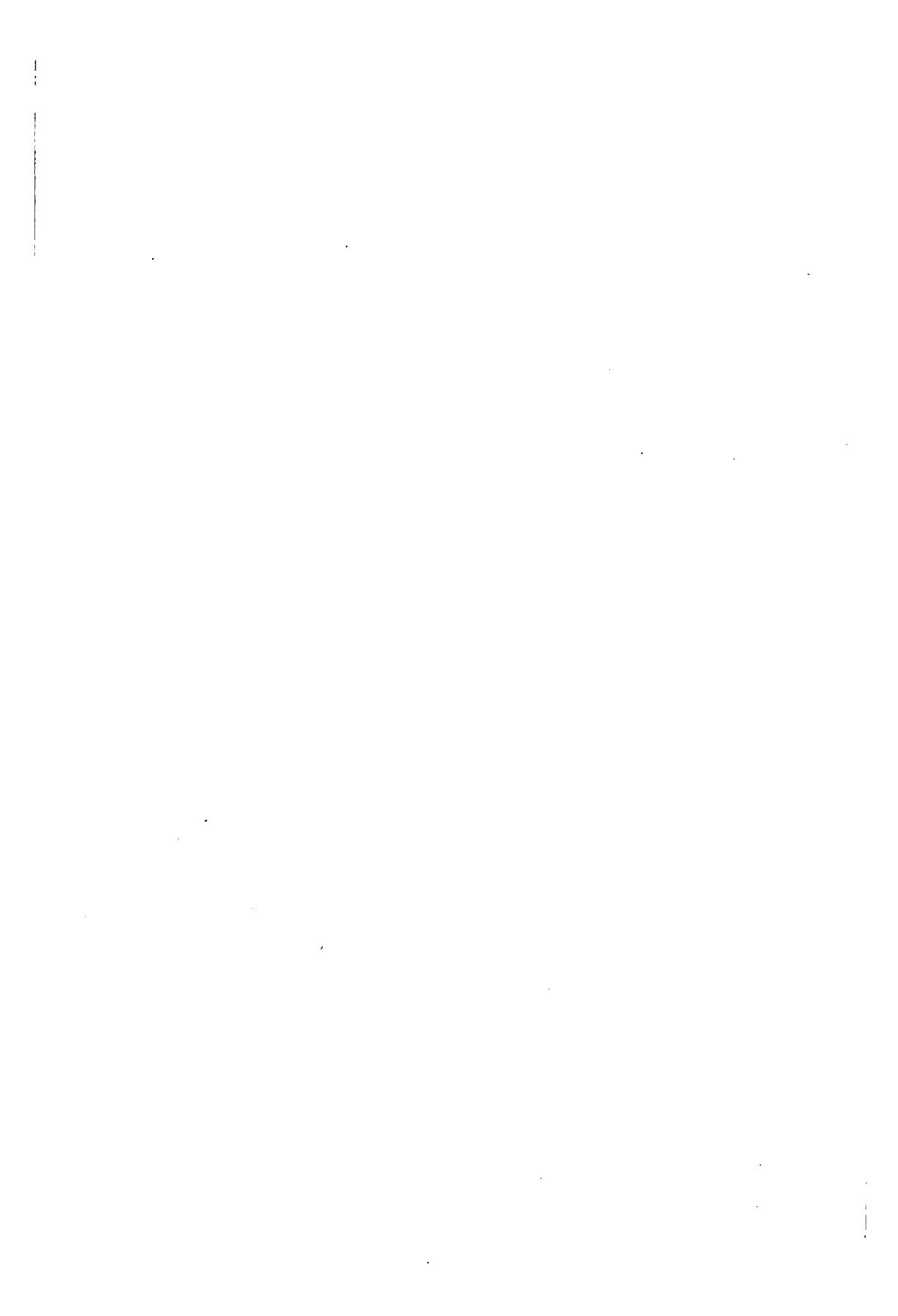
group	hurried	respectfully	arrived
haste	inclined	strawberries	braid
installed	interest	34%	district
ironing	priced	appeal	exam.
machinery	produced	awfully	general
manager	quote	capable	geography
operated	register	certain	increase
product	republican	cities	largely
promise	talent	college	opera
protected	telephone	consider	opinion
remit	tract	continued	positive
reserve	transit	convinced	published
success	36%	deserved	satisfactory
supplied	advantage	foundation	signed
you'd	adventure	instruct	style
38%	advising	instructed	succeeded
advanced	avoid	mere	themselves
alfalfa	calves	moral	valuable
bargain	cellar	neglected	51%
billed	considered	neighbor	accomplish
cement	couldn't	prevail	advertising
cigar	courage	procured	attain
confident	data	reduction	believing
convince	easily	reliable	calendar
curtain	entitle	section	combination
describe	formerly	separate	constantly
didn't	furnished	source	corrected
employed	increased	33%	dangerous
firm	international	bracelet	disgusted
forgotten	Latin	channel	followed
limit	limited	composition	graduation
lovingly	management	congratulate	hauled
manual	owner	customer	heir
method	prepared	democrat	liberal
really	receive	education	million
resulting	select	enroll	misunderstanding
simply	supposed	entire	neither
slippery	transfer	favored	ninety
STEP 15—34%	treasurer	happiness	operation
37%	35%	importance	organized
ache	attach	improvement	ourselves
acre	attached	library	personal
argument	crowded	period	raiser
attention	decided	realizing	regardless
choice	doubt	search	regular
current	expecting	secured	remedy
cute	factories	securing	selected
decide	fierce	slight	stomach
deserve	guest	tatting	straight
discontinued	hadn't	total	vacant
doesn't	madam	vision	STEP 16—27%
domestic	position	32%	30%
exact	prayer	adjusted	according
exactly	private	advertise	advancement
feature	represented	applied	advised
	resident	arranged	

appointed	28%	deposit	resigned
appointment		engineering	salesman
attended		freight	secretary
automatic		good-bye	series
banquet		graduating	suggest
cartoon		issued	tanning
connected		notify	X-ray
connecting		obligation	
copies		personality	
corporation		prefer	
credited		quality	
directly		reasonable	
excess		relative	
exercise		remembered	
favorite		rural	
federal		sense	
funeral		stationary	
inspector		stopped	
inst.		supplies	
moderate		85%	
nickel		advertisement	
particular		author	
patron		canned	
proceed	27%	confer	
publication		disposal	
reference		doubtless	
reservation		effect	
route		evidently	
suggested		influence	
theater		inquiry	
wasn't		junior	
29%		liable	
accordingly		meant	
affair		musical	
altogether		organize	
ambition		permanent	
amendment		purchase	
benefit		reception	
cashier		selection	
collect		semester	
concern		serious	
connect		society	
course		strictly	
etc.		volume	
examined		24%	
expression		assist	
ghost		ballot	
humor		employer	
instance		examine	
internal	26%	existing	
justified		generous	
literary		heretofore	
medicine		imagine	
planning		impossible	
refer		justify	
system		national	
wholesale		process	
			STEP 17—21%
			83%
			absence
			absolute
			arriving
			article
			client
			collecting
			connection
			deliveries
			difficulty
			engineer
			enrollment
			experience
			frequently
			furniture
			graduate
			grateful
			label
			occupied
			possible
			possibly
			practicing
			purchased
			quotation
			receiving
			registered
			salary
			subscription
			succeed
			88%
			accent
			athletics
			business
			choir
			collection
			compelled
			consequently
			consideration
			co-operating
			coupon
			demonstrated
			design
			durable
			envelope
			equipment
			explanation
			fabric

The Iowa Spelling Scales

genuine	supervision	planned	<i>15%</i>
hustling	surplus	probably	agency
inquires	type	relieve	allotment
installment	<i>19%</i>	representative	announcement
insurance	appearance	responsible	assignment
investigate	application	universal	assistance
involved	arrangement	<i>17%</i>	assuring
satisfaction	attempt	administrator	attorney
timothy	choosing	conclusion	electricity
<i>21%</i>	circulation	congratulation	encourage
actual	citizen	description	exceptional
admission	considerably	disappoint	extreme
assured	correspond	estimated	familiar
celebrate	crochet	excellent	generally
construction	difficult	government	geometry
decrease	distribution	inconvenience	grippe
discourage	equally	indicate	instructor
establish	excitement	inducement	instrument
established	expensive	librarian	literature
hastily	federation	notified	notary
investigation	numerous	operating	ordinary
mental	preliminary	presence	possess
merchandise	quantity	proposition	practical
patient	relieved	prosperous	previous
policy	straightened	readily	profitable
practice	subscriber	received	referring
qualities	sympathy	regretting	special
reliability	urge	terrible	surgery
renewal		weren't	usual
sanitary	STEP 18—16%		<i>14%</i>
signature	<i>18%</i>		absolutely
variety	ability	alumni	additional
<i>20%</i>	accident	arrival	auditor
allowed	agriculture	assortment	blizzard
assistant	algebra	assure	completely
basis	announce	attractive	consultation
brief	assembly	available	expense
carnival	assessment	capacity	foreign
commerce	attendance	circular	fundamental
confidence	authorized	crocheting	gradually
cushion	certainly	electrical	honorable
destination	consequence	entitled	mortgage
elsewhere	conservatory	epidemic	occasion
examiner	considerable	evidence	quantities
identify	convenient	exclusively	thesis
instruction	council	fashionable	sincere
introduction	decision	grammar	
judgment	development	individual	
legislation	examination	invitation	
magazine	girlie	merely	STEP 19—12%
natural	inferior	rec'd	<i>13%</i>
politics	institution	remembrance	applicant
preparation	introduced	remittance	association
receipt	knowledge	successful	assume
regularly	meter	supervisor	canvass
superior		territory	communication

cordial	physical	committee	guarantee
demonstration	privilege	continuous	maturity
disagreeable	recommend	definite	responsibility
duplicate	specification	definitely	5%
employee	thorough	fortunate	accredited
finally	usually	Hallowe'en	attitude
illustrated	10%		convenience
impression	assurance	immediately	courteous
necessity	bonus	interfere	efficient
organization	circumstances	occasionally	essential
premium	commercial	original	exceptionally
profession	enthusiastic	principal	physician
senior	executive	prosperity	professional
social	fraternally	tuberculosis	science
18%		unusual	specially
acquainted	guaranteed	7%	
agricultural	journal	actually	sufficient
anxious	possession	affidavit	various
bulletin	practically	analysis	
compliment	recommendation	appreciated	STEP 22—4%
co-operation	response	appreciation	4%
disease	satisfactorily	commissioner	acquaintance
error	STEP 20—8%		appreciating
executed	9%		associate
exhibit	accompanying	conveniently	chahtauqua
glorious	accomplished	cordially	commission
majority	activity	exhibition	community
merit	advisable	extremely	financial
naturally	affectionately	institute	ingredients
orchestra	annual	materially	license
similar	approval	necessary	rheumatism
university	assigned	official	solicit
unusually	associated	originally	thoroughly
11%		personally	3%
acquire	certificate	phosphorus	anticipating
administration	circuit	pneumonia	bureau
anniversary	equipped	possibility	efficiency
confirm	extension	referred	lieutenant
contemplating	illustration	soliciting	politician
correspondent	immediate	unnecessary	schedule
customary	leisure	vicinity	sincerely
disappointed	mechanical	zephyr	
disappointment	principle	STEP 21—6%	
enormous	substitute	6%	
exhausted	8%		STEP 23—2%
favorably	acceptance	accommodate	appendicitis
illustrating	accordance	acknowledge	
immense	annually	ambitious	STEP 24—1%
material	authority	appreciate	anticipate
opportunity	campaign	candidacy	apparatus
particularly	character	confirmation	peculiarities
	civics	correspondence	scientific
		enthusiasm	
		especially	STEP 25—0%
			characteristic



SECTION XII
THE IOWA SPELLING SCALE

GRADE V

GRADE V

STEP 1—100%

all
and
at
baby
book
but
come
day
good
got
hand
have
he
her
his
how
is
it
let
lot
may
old
read
run
say
see
this
three
up
we
what
will
wish
with
wood
year
your

corn
could
dear
did
dinner
door
dress
each
every
fast
fish
five
game
go
going
happy
hard
home
hunt
in
July
kind
lake
land
last
letter
like
little
long
look
love
make
man
May
Monday
mother
must
my
not
Nov.
on
out
over
place
play
rich
said
seven
she
ship
snow
state
tell

thank
that
thing
think
top
under
was
way
winter
work

park
saw
saying
school
show
silk
so
south
spend
spring
store
taken
ten
the
them
then
train
walking
wall
why
would
yet
yourself

STEP 3—98%

add
am
away
bank
bell
bill
box
bring
cake
calling
car
care
cash
clear
dark
do
dog
east
feet
food
foot
from
gate
gold
had
hay
head
help
however
ice
if
inside
into
just
day
men
much
nine
oil
one

STEP 4—96%

97%

about
after
ago
along
apple
asking
back
bed
bee
blow
brother
butter
city
class
clean
count
cow
cut
dance
date
down
earth
end
fall
farm
fat

STEP 2—99%

age
are
ball
barn
be
big
boy
by
call
came
can
card

on
out
over
place
play
rich
said
seven
she
ship
snow
state
tell

fell	time	half	working
fire	to-day	hall	yard
free	to-night	heat	
gave	two	hen	
get	us	hill	STEP 5—94%
give	very	hold	95%
grade	walk	inch	added
has	wash	joy	afternoon
hat	well	king	art
hot	whatever	large	asked
ill	where	late	backing
ink	white	lost	banking
June	who	mail	bay
kindly	within	market	bean
left	world	mean	below
light	you	mill	beside
live	96%	move	black
longer	adding	note	blank
looking	an	number	boat
made	as	our	brick
milk	bad	pine	cannot
more	became	point	change
most	best	poor	coal
Mr.	better	print	cream
night	bird	rain	cup
north	block	reader	dead
nut	blue	reading	Dec.
off	bright	real	eat
once	cap	road	Feb.
outside	case	same	felt
page	cat	sell	filling
papa	cent	short	finding
pay	chair	side	Friday
pig	children	sister	frost
put	coat	spell	girl
red	cold	spelling	glass
rent	cook	standing	grass
river	cover	stone	ground
rush	covering	summer	grove
sand	dad	Sunday	handy
seen	delay	table	him
send	doing	thankning	hog
sheep	dust	there	hour
should	early	till	house
sick	ever	toy	hunting
six	face	tree	Jan.
some	farming	used	kid
stand	faster	want	landing
stay	fellow	war	law
such	fill	washing	lived
sun	for	water	low
sweet	found	went	mad
take	fun	west	March
tent	glad	wheat	meat
they	goldfish	when	morning
thinking	grand	wide	mud
	green	window	myself

The Iowa Spelling Scales

name	cross	slow	list
near	darling	son	liver
net	deep	song	lives
never	died	soon	load
nice	don't	sport	loved
of	drive	stamp	luck
oldest	even	stated	mark
paper	eye	stick	master
part	far	stop	mate
pen	fight	swell	money
picture	first	teaching	mouth
playing	fishing	teeth	new
price	fit	ticket	noon
ready	forget	trip	nothing
rest	glove	upon	oats
rice	gone	wake	oh
ride	great	warm	painted
rock	keep	wife	pass
Sat.	kiss	willing	post
sent	lady	worked	postage
shoe	larger	yellow	press
singing	leader	yes	quick
sink	leave		rule
sleep	leg		sack
sound	life		saved
start	longest		seed
storm	looked	act	seeing
stove	ma	alone	sending
teacher	meal	any	set
telling	mine	anyone	seventy
thin	no	aside	silver
took	now	bake	sir
unable	Oct.	become	sit
were	older	belt	small
wind	open	board	soft
wise	or	body	soil
without	overcoat	boxes	spending
worker	party	camp	spent
94%		can't	stage
able	pick	child	started
above	pie	colder	staying
ahead	pin	cool	still
air	proper	crop	stood
also	rail	done	sugar
arm	reach	eight	supper
around	remove	father	teach
ask	report	flat	test
banker	room	fort	town
bat	rose	four	walked
bear	round	goat	week
because	rust	hair	whenever
behind	sad	handed	while
belong	safe	handle	yearly
contest	sat	hear	zone
cost	shall	himself	
country	sin	inches	98%
	slip	lesson	another
			April

The Iowa Spelling Scales

81

army	sold	paint	flower
ate	spot	pump	garden
basket	talking	queen	gift
birthday	these	rubber	glasses
cattle	told	snowed	growing
check	trust	soap	hang
cleaning	twenty	something	harder
clock	western	sorry	harvest
close		speak	here
December	91%	sum	hit
die	alive	sunshine	holding
drop	aunt	taking	income
easily	band	talk	itself
egg	beat	tenth	kindness
fence	been	than	kitten
fine	being	tip	know
forgot	branch	tire	lace
form	bringing	ton	listed
fur	buy	true	lump
grant	cane	trunk	marking
heating	charge	try	nation
helping	chart	Tuesday	nearly
job	church	unless	neck
jump	clay	wanted	none
kill	coffee	wanting	noted
kinder	danger	washed	November
lumber	deal	welcome	office
next	deed	wheel	ours
only	depend	win	outfit
other	dream	wire	person
pack	enough	wishing	pure
packing	feed	wonder	range
paying	fifty	write	rank
people	friend		rate
picking	given	STEP 7—88%	recover
pillow	ha		remain
pink	hardly	90%	remark
planted	heavy	Aug.	rented
plate	high	blood	retain
please	hole	both	return
plow	homesick	brought	shame
pocket	horse	brush	shape
pound	January	bunch	sort
pride	keeping	burn	space
printed	lame	called	station
railroad	largest	catch	steam
recall	lunch	chum	study
renter	mailed	classes	tank
seat	matter	club	thereafter
self	meet	content	those
September	mostly	county	thus
shipment	moved	dearest	trained
shop	music	dresser	use
sickness	nobody	farmer	wagon
smart	order	fear	wet
snowing	oven	file	wild

wool	protest	lift	finger
word	pull	lovely	ford
worth	race	membership	forgive
yesterday	rained	met	frame
	render	newspaper	goose
89%	roof	nose	grandma
acting	row	October	grew
booklet	settle	passing	hearing
born	shortly	per	herself
bottle	shut	plan	inasmuch
bought	sixty	raw	learned
brain	size	right	learning
brand	speaker	ring	leaving
cared	stranger	sale	Miss
carry	street	saving	miss
center	strongest	selling	month
chop	suit	Sept.	noise
closed	sure	skate	orange
coast	temple	snap	otherwise
cooking	thick	spoke	pleased
dated	travel	starting	posted
discount	trying	step	prevent
display	understand	stunt	printer
dollar	watch	team	quart
dozen	weak	thankful	raised
drug	woven	thought	removed
drum	young	tie	respect
duty		township	roll
everything		track	seventh
express	agree	turkey	share
fact	bet	uncle	shot
fail	blame	understanding	sight
few	cheer	united	someone
filled	Christmas	vote	somewhere
gather	closer	wrote	stock
getting	cord		tend
happen	counting		tile
hate	enter		title
hurry	evening		trace
invite	everyone		treat
leaves	fair		trusting
less	finish		
maid	follow		
mailing	football		
maker	force		
many	forest		
might	former		
news	front		
painter	funny		
partly	garment		
patch	grain		
peach	gray		
phone	grown		
plenty	holder		
pole	hoped		
post card	I'm		
printing	indeed		
		87%	
			STEP 8—84%
			86%
			almost
			amount
			answer
			anything
			begin
			behalf
			bid
			bite
			cleaner
			coasting
			cotton
			death

deliver	court	clothing	85%
demand	damp	cloudy	
doctor	dare	company	active
draft	dearly	dispose	address
eve	depending	does	ans.
exchange	dressed	enjoy	badly
failed	drew	fancy	beet
figure	drill	feeding	beg
finished	edge	folder	bit
gown	greatest	forth	broken
grandfather	grind	frankly	bugs
hardware	heap	fresh	builder
held	honest	glee	candle
history	household	having	changed
improve	inform	heard	clever
knew	invited	higher	colt
learn	island	hundred	conduct
making	killed	I'll	copy
match	kisses	improved	drilling
moving	labor	inclosed	eighteen
named	leather	iron	excuse
need	locate	joke	extent
pain	lower	least	field
peace	nature	loaded	formed
pending	overlooked	lone	gladly
poorly	pa	lonesome	hereafter
power	painting	loud	hotel
rack	pair	lung	inclose
raining	plum	meantime	lighting
reaching	porch	member	located
renew	present	merry	lucky
renting	reported	mighty	maple
rug	riding	monthly	meeting
sample	rolling	nap	middle
scout	Saturday	nicely	northern
sock	seem	produce	offering
tested	sometime	proud	packed
thereof	third	provide	payment
thread	thousand	raise	pearl
too	Thursday	record	plain
twice	treated	repair	prize
value	turn	request	ranch
velvet	waited	rod	respond
wear	whole	shade	returned
won	wishes	sheet	rough
85%		showed	scale
absent	withdraw	simple	second
anywhere	84%		single
belonging	afraid	since	sixth
building	August	smaller	slipper
carpet	auto	somewhat	sooner
cast	battle	stair	thirty
cause	bench	strongly	to
caused	between	taxes	treatment
chance	branches	their	vacation
contain	brown	tried	visit
cottage	bushel	weather	witch
	chill	wished	won't

The Iowa Spelling Scales

writing	twelve	setting	charged
youth	understood	spread	climate
zero	voter	square	comfort
82%	waiting	steel	comply
action	weary	subject	cousin
afterward	wedding	talked	dealer
already	whereby	tread	dealing
among	women	valley	deeply
boiler	wonderful	voice	deserve
broad	yoke	waist	dose
broke		which	expert
cleaned		worm	extend
cure	STEP 9—79%.		feeder
decline	81%		fifth
delighted	advance	afloat	foolish
eighty	anyhow	anyway	frozen
elect	blew	artist	germ
everybody	button	breakfast	guess
flesh	buyer	bridge	homestead
floor	caught	cheap	informed
froze	central	corner	judge
fruit	chain	cutting	listen
gaining	clearly	delivered	main
globe	damage	directed	moment
granted	daughter	English	obtained
herewith	degree	fixed	penny
instead	enclosed	greater	postal
joyful	find	greatly	power
kindest	finest	health	product
lamb	flour	hers	public
leaf	folk	hurt	reached
liberty	fuel	junk	reason
lie	gallon	likewise	recovered
living	greeting	mass	remind
mountain	haven't	mend	season
Mrs.	helped	needed	serve
neat	hence	needle	speed
obtain	later	nevertheless	stamped
ocean	laugh	notice	student
officer	mind	o'clock	suitable
pencil	mister	ordering	throw
pretty	nearer	pools	trouble
program	nor	post office	turned
prove	opening	potatoes	union
proved	outlined	raising	upper
provided	payable	repeat	valued
question	phoned	sew	visited
requested	played	shed	wait
rip	prevented	strike	whom
rushed	production	studies	wrong
scare	quickly	though	
several	reduce	trade	78%
stuff	refuse		answering
throat	retail	79%	beef
through	seal	amounting	chapter
tiny	seemed	before	crazy
		bottom	daily

dancing	herein	movement	74%
dread	insist	perfect	
election	intend	permit	acre
factory	joined	plainly	actor
farther	lbs.	primary	anybody
fix	now	reaches	attend
fourth	nerve	scrap	backed
fully	nurse	sis	barrel
gas	odd	training	beauty
German	opened	truly	beyond
grit	ought	until	buying
handling	past	watching	captain
idea	placed		color
inspect	pleasure		coy
isn't	proven	75%	enclosing
jar	rabbit	although	except
kitchen	require	animal	explained
knowing	tax	appear	further
language	weekly	ashamed	gee
latest	weigh	Ave.	handled
latter	weight	beaten	highest
liked	woman	begun	improving
message	Xmas.	birth	inviting
package		changing	ivory
perhaps		checking	known
reply		coach	length
returning		creep	local
sash		ease	measure
score	abstract	factor	million
skating	answered	forty	misses
slide	bigger	fourteen	needing
steady	built	friendly	owner
that's	bulk	gained	picnic
tired	capital	gland	profit
visiting	cheaper	helpful	rapid
we'll	checked	its	recite
worse	clerk	level	relation
	cough	linen	relationship
	dairy	manage	section
acted	detail	notion	secure
blessed	dodge	object	silence
busy	eager	ordered	skirt
cheerful	else	organ	soldier
coming	figured	owing	sore
contract	freeze	parlor	statement
couple	furnish	providing	taught
direct	grip	ribbon	throughout
eleventh	headache	slept	to-morrow
enclose	housekeeping	sorrow	towel
excited	intended	stating	unpaid
explain	join	term	73%
extra	kept	together	agreed
fashion	lecture	touch	await
favor	loving	useful	chairman
gain	machine	view	closing
habit	married	worst	collar
handsome	mistake	writer	cooler

The Iowa Spelling Scales

covered	holiday	rainy	couldn't
deportment	hospital	remember	delivery
disposed	inclosing	says	director
dreadful	include	serving	district
during	intention	sleet	doubt
enjoyed	invoice	suffering	Dr.
expected	ladies	Tues.	example
famous	namely	winner	expressed
French	owe	workmanship	fitted
furnished	parties	70%	fortune
gasoline	per cent	admit	forwarding
hare	promised	advice	geography
healthy	putting	awaiting	grocery
including	quit	blooming	headquarter
investment	recess	bluff	important
letting	reduction	booth	improvement
lodge	regard	buggy	insert
lonely	reserve	butcher	I've
oblige	sewing	delightful	lowest
perfectly	shipping	desire	manner
piano	shoulder	earnest	minute
property	stayed	explaining	normal
prospect	supply	fullest	obliged
quarter	uniform	furnace	quite
regulation	wage	graze	recently
saddle	71%	happened	refreshment
saver	addresses	loss	refused
settlement	advise	model	sign
shock	alley	neglect	sitting
submit	barley	nineteen	surface
Thanksgiving	began	parent	topic
traveling	break	placing	waste
voting	carrier	presented	watched
72%	cities	problem	worry
apply	containing	progress	yourselves
baking	continue	quoted	68%
base	delayed	reduced	adjust
bog	desired	rye	advising
careful	dice	scarce	ample
cigar	dirty	seller	aware
correct	fitting	served	believe
crowd	foundation	server	chose
curtain	furnishing	spare	common
devoted	gentleman	sweater	condition
discovered	handkerchief	Wednesday	consist
dwelling	hoping	we've	contained
earning	human	wouldn't	credit
elected	husband	you'll	employed
enjoying	illness	STEP 11—66%	fairly
entering	increasing	69%	forenoon
feel	knot	according	forgotten
fever	likely	aid	friendship
fifteen	limb	balance	fund
film	loyal	calm	hurried
flavor	owned	cement	I'd
forward	pavement		inquire
	pupil		

jury	rapidly	produced	followed
location	remembering	required	guide
performed	renewed	shipper	independent
prepaid	seldom	smooth	lately
properly	suppose	surprise	lining
requesting	utmost	taste	management
result	written	therefore	moral
settled		toward	oversight
shown		tract	parcel
stories	ache	using	piece
struck	aim	worthy	proceed
success	attention		proof
wasn't	closely		regular
	convention	addition	remit
67%	current	against	rifle
adjustment	debating	ankle	strict
boarding	due	complaint	surprised
circus	education	constant	total
companion	entirely	depot	trial
dangerous	entry	didn't	you'd
fault	fare	direction	
fern	hadn't	directly	61%
figuring	instruction	entered	advised
forwarded	item	entertainment	automobile
included	loan	exciting	biggest
information	neglected	following	calves
ironing	pattern	general	choice
method	preparing	gentlemen	concluded
promise	prompt	gotten	conversation
recent	promptly	group	cute
regret	running	hasn't	decide
remained	search	hello	deposit
simply	select	honor	deserved
standard	text	interest	difference
wondering	tickled	period	final
	tight	prayer	musical
66%	wearing	replying	ninth
account	weighed	separate	preacher
addressed		struggle	promotion
attending		tanning	quality
breaking	allow	violin	quiet
burden	arrive		regarding
colored	avenue		whose
debate	average		
dependent	bowl	STEP 12—58%	60%
expecting	cherries		advantage
February	chief	ability	adventure
ideal	collect	advanced	argument
industry	crippled	avoid	Bro.
maybe	domestic	blackberries	comfortable
modern	entitle	carefully	complete
neighbor	fee	creamery	confined
noticed	hereby	daddy	consider
passed	interested	describe	continued
pertaining	minister	duties	debt
private	offered	entertain	extended
protected	ourselves	entire	factories
queer	prepare	favorable	future

The Iowa Spelling Scales

			STEP 13—50%
ghost	capable	assure	
gravy	clothe	cedar	54%
inspector	connecting	choose	
instant	contrary	considering	
interesting	control	convince	
limit	correctly	courage	
lose	doubtless	crew	
madam	either	enroll	
mamma	enrolled	exact	
national	entertaining	expired	
published	favored	freight	
reputation	forced	furniture	
shopping	garage	graduating	
sire	growth	guest	
slightly	honestly	impossible	
studied	loose	instructed	
vision	lovingly	junior	
	machinery	manufacturing	
	manufacture	operated	
59%	mentioned	popular	
alfalfa	misunderstanding	purchase	
channel	patent	refer	
connected	pleasant	selection	
contemplated	prepared	slight	
decided	priced	studying	
destroyed	register	supplies	
different	represent	vacant	
excess	telephone	worried	
feature	theatre		
firm	volume		
funeral		55%	
laid		accept	
liberal		advancement	
maintain		advertise	
mention	adjusted	agreeable	
natural	author	attended	
notify	billed	bass	
operation	cellar	collecting	
pardon	confer	commence	
position	division	concert	
presume	drama	constantly	
procured	federal	effort	
remembered	filings	failure	
republican	installed	female	
ruin	manager	inclined	
satisfied	nephew	instruct	
service	pastor	liable	
style	president	limited	
supplied	prevail	missed	
usual	publication	publisher	
whether	secured	rendered	
	signed	series	
58%	transfer	shipped	
appeal	transportation	special	
appeared		transit	
aren't	56%	treasurer	
braid	appointed	valuable	
cabinet	arrange		

52%	auled	beginning	label
actual	justified	booster	notified
cashier	manual	fierce	quote
catalogue	niece	hustling	securing
certain	really	investigation	themselves
crowded	satisfaction	Latin	44%
discourage	situation	moderate	arriving
disgusted	stationary	personality	attraction
earliest	49%	prefer	circulation
exactly	arrival	rural	conference
exam.	benefit	strictly	customer
federation	certainly	tatting	elsewhere
formerly	coarse	46%	fortunate
graduation	confident	advertising	frequently
increased	convinced	all right	honorable
introduction	enrollment	attach	meant
medicine	exception	banquet	mere
operating	favorite	compelled	obligation
opinion	instance	cushion	policy
personal	involved	data	purchased
practice	literary	decrease	reception
reasonable	occupied	difficulty	reservation
regardless	opera	envelope	suggest
slippery	organized	establish	43%
telegram	positive	expensive	accident
51%	remedy	fashionable	brief
absence	satisfactory	happiness	celebrate
adopted	splendid	nervous	citizen
bracelet	succeed	ninety	combination
calendar	system	process	established
college	vary	relative	glorious
confidence	48%	sanitary	grammar
connect	applied	society	influence
copies	attempt	source	issue
desiring	believing	succeeded	planned
discontinued	circular	talent	practical
durable	composition	terrible	profitable
employer	connection	type	realizing
encourage	considerable	STEP 14—42%	relieved
expression	democrat	45%	timothy
imagine	democratic	absolute	universal
realize	good-bye	altogether	42%
safety	haste	amendment	auntie
spirit	importance	approved	available
strawberries	numerous	assured	canned
subscriber	patron	cartoon	collection
weren't	raiser	choosing	congratulate
50%	respectfully	Christian	destination
arrived	responsible	concern	difficult
bargain	strength	conclusion	electrical
commerce	wholesale	develop	ere
construction	47%	equally	examine
deliveries	accomplish	exercise	government
easily	announce	inducement	gratitude
extensive	attached		heretofore
graduate	attain		

The Iowa Spelling Scales

introduced	disease	supervision	resource
invitation	estimated	welfare	supervisor
justify	examined	35%	31%
knowledge	impression		absolutely
mental	received	appreciate	accordingly
previous	representation	assurance	assistance
qualities	social	ballot	auditor
receiving	submitted	basis	commercial
regularly	superintendent	distribution	council
resigned		engineering	existing
salary	38%	heir	foreign
stopped	barely	prosperous	magazine
university	considerably	quantity	politics
41%	design	34%	various
allowed	equipment	assistant	vicinity
companies	expense	fabric	
explanation	experience	illustration	STEP 16—27%
grateful	instrument	installment	30%
indicate	material	merit	administration
instructor	registered	rec'd	advisable
insurance	renewal	reliability	allotment
international	Sabbath	variety	announcement
profession	semester	33%	circumstances
sincere	signature	activity	crocheting
40%	subscription	based	demonstration
anxious	superior	canvass	exceptional
assortment	urge	conservatory	executed
awfully		co-operative	illustrated
blizzard	STEP 15—34%	crochet	inquiry
business	37%	demonstrated	journal
candidate	application	electricity	organization
congratulation	authorized	excitement	principal
contemplating	coupon	hastily	principle
etc.	description	literature	remembrance
generally	development	meter	similar
identify	disagreeable	notary	29%
investigate	disposal	presence	acquire
legal	engineer	prior	actually
possibly	entitled	registration	assuring
readily	error	secretary	athletics
relieve	majority	sympathy	enormous
satisfy	merchandise	32%	fundamental
sense	proposition	attendance	girlie
suggested	successful	client	institute
surplus		compliment	naturally
territory	36%	consequently	possess
39%	advertisement	consultation	response
agriculture	agency	duplicate	straightened
ambition	arranged	employee	thesis
appointment	confirm	examination	unusual
assembly	disappoint	inst.	28%
attractive	evidence	issued	acquainted
choir	favorably	ordinary	arrangement
confirming	genuine	planning	assignment
co-operating	merely	practicing	completely
corporation	organize	preliminary	convenient

co-operation	confirmation	mortgage	14%
examiner	cordially	occasion	analysis
excellent	decision	physical	appreciated
extreme	disappointment	solicit	enthusiasm
finally	epidemic	19%	immediate
gradually	exhibit	accompanying	possession
orchestra	familiar	bonus	tuberculosis
particularly	geometry	campaign	STEP 19—12%
permanent	illustrating	cordial	13%
preparation	interfere	correspondent	accredited
quantities	sincerely	executive	apparatus
senior		license	authority
substitute		professional	thoroughly
X-ray		specification	18%
27%			
additional	acquaintance	STEP 18—16%	accommodate
administrator	annual		associate
admission	annually	18%	courteous
applicant	association	appreciating	peculiarities
civics	essential	bureau	phosphorus
commission	exclusively	convenience	11%
consequence	exhausted	exceptionally	affectionately
evidently	grippe	extension	ambitious
inquires	maturity	Hallowe'en	politician
institution	necessary	legislation	specially
premium	opportunity	necessity	10%
receipt	remittance	pneumonia	anniversary
satisfactorily	representative	17%	conveniently
usually	unusually	accomplished	recommendation
28%		affidavit	STEP 20—8%
algebra	assigned	appreciation	9%
appearance	certificate	commissioner	definite
assume	character	community	ingredients
correspond	communication	inconvenience	materially
immense	enthusiastic	originally	8%
judgment	librarian	practically	chautauqua
official	personally	recommend	committee
physician	privilege	referred	definitely
probably	regretting	scientific	zephyr
thorough	science	unnecessary	7%
29%	surgery	16%	anticipating
attitude	assessment	candidacy	guarantee
carnival	especially	capacity	rheumatism
constitution	extremely	efficient	soliciting
continuous	inferior	exhibition	STEP 21—6%
customary	mechanical	financial	6%
disappointed	prosperity	guaranteed	efficiency
equipped	responsibility	immediately	lieutenant
individual	20%	leisure	5%
occasionally	acceptance	sufficient	appendicitis
original	accordance	15%	schedule
possibility	agricultural	acknowledge	STEP 22—4%
24%	associated	anticipate	4%
alumni	attorney	correspondence	characteristic
approval	circuit	fraternally	
bulletin		referring	



SECTION XIII

THE IOWA SPELLING SCALE

GRADE VI

GRADE VI

STEP 1—100%

age
and
as
away
best
big
bill
book
boy
but
call
can
care
clear
cover
dear
did
dog
door
dress
each
end
ever
fast
father
feet
found
from
get
give
go
gold
good
grand
happy
has
he
helping
his
hog
home
how
if
is
it
just
lake
large
larger
let
live

long

may
me
more
most
must
my
name
old
on
one
out
over
place
put
read
reader
real
rest
run
said
same
say
see
she
should
stand
tell
thank
that
the
them
they
thing
this
train
tree
under
walk
walked
was
way
we
went
what
when
will
wish
with
working
year

STEP 2—99%

able
about
add
all
along
am
an
apple
are
at
back
bad
ball
bank
be
bell
better
bird
black
blank
blow
box
butter
check
child
city
clean
coat
cold
come
cook
corn
could
day
deal
dinner
do
doing
down
eat
even
face
farm
farming
faster
fat
fire
fish
five
food
girl
got
grass
green
hard
have
head
help
hold
holding
ice
in
inside
into
July
land
last
lay
letter
light
like
little
lot
love
made
make
man
May
milk
Monday
move
much
myself
never
not
nut
oil
other
park
pay
peach
play
rain
rich
ride
ring
rock
rust
saying
school
sell
send
seven
ship

show	battle	however	sand
singing	because	hunt	saw
small	bee	ill	seed
snow	brand	ink	seeing
so	bring	Jan.	shall
soil	brother	June	sheep
some	bunch	keep	sick
spell	by	kind	sickness
sport	cake	labor	silk
state	came	lady	slow
stay	cannot	late	soon
stone	car	law	south
table	card	life	spelling
take	case	lived	spend
taken	changed	longer	spot
ten	class	look	spring
test	clock	looking	standing
thankning	close	lost	start
think	contest	loved	stop
three	country	mark	store
till	covering	market	stove
time	cow	master	such
top	cross	meal	summer
understanding	cut	mill	sweet
up	dark	mine	swell
us	date	money	talking
very	Dec.	mother	thinking
wagon	December	nation	to-day
washing	delay	near	ton
well	early	next	trip
west	eight	night	Tuesday
wheat	every	nine	two
while	eye	noon	unless
who	fail	note	used
why	fall	Nov.	wall
wide	fill	of	want
window	foot	off	wanting
without	for	once	week
wood	four	outside	white
work	free	page	wife
worked	Friday	paper	wild
would	game	part	wishing
yet	gave	pick	within
you	going	please	worker
your	grade	point	yard
	had	poor	yellow
STEP 3—98%		post	yes
after	hand	print	yourself
ago	hat	reach	zone
air	hay	red	
arm	heat	remove	
around	her	rent	
art	hill	report	
ask	him	river	STEP 4—96%
bake	homesick	room	97%
barn	hot	rush	above
	hour	sample	adding
	house		again
			agree

The Iowa Spelling Scales

alone	fur	renter	bottle
any	glad	rice	bought
asked	glass	Sat.	boxes
baby	gone	sat	braid
backing	growing	sent	burn
band	half	set	buy
banker	handy	shoe	called
banking	harder	sink	cap
basket	harvest	sister	cash
bat	held	six	cattle
bed	here	size	charge
being	high	sleep	charming
below	holder	snowed	children
beside	horse	soap	clay
birthday	hundred	sound	coast
blue	hunting	space	cool
body	joy	stick	cost
bother	killed	sum	cotton
branch	kindly	sun	dandy
bringing	kindness	talk	depend
building	landing	tank	dressed
bushel	leader	teaching	drive
calling	left	then	dust
cat	looked	thin	earning
cent	low	to-night	enter
chair	luck	took	farmer
change	ma	town	few
Christmas	mad	treat	figure
clothing	mail	try	first
coal	maker	unable	flower
coin	meat	walking	forget
count	morning	wash	fort
counting	Mr.	water	friend
crop	net	whatever	fruit
dance	north	where	garment
danger	number	wind	gate
deep	office	winter	gather
display	only	wire	gift
dollar	our	write	given
done	oven	yearly	glasses
drop	overcoat	96%	
earth	pack	added	grain
east	party	ahead	great
edge	people	alive	ground
far	per	also	hang
feed	picture	another	hate
fell	pig	anyone	himself
fellow	pin	asking	hit
felt	pine	become	inch
fifty	plate	behind	inches
fight	playing	belonging	income
finding	pound	belt	jump
fishing	price	block	kid
forgot	proper	blood	kinder
form	rail	board	king
fun	reading	boat	learn
	ready	boss	leave
			leg

lesson	slip	degree	rented
lift	smart	delighted	renting
listed	soft	died	rolling
longest	sold	draft	rose
lunch	song	dream	rule
mailed	spent	drew	seat
March	spoke	eighty	seem
marking	stamp	enough	seen
mouth	started	evening	self
mud	stated	Feb.	selling
music	station	fence	Sept.
newspaper	study	filling	shame
nice	sunshine	follow	shipment
no	Sunday	forgive	side
nothing	supper	former	sin
ocean	teacher	frost	snowing
Oct.	telling	glove	son
October	tent	goat	sort
older	than	goose	spending
oldest	third	grove	step
or	track	handle	stood
order	trained	hear	stump
outfit	trunk	heating	sugar
paint	war	hereafter	taking
papa	were	inspect	teach
paying	whenever	job	teeth
payment	willing	kill	tenth
person	wise	kiss	tested
phone	wool	learned	thereafter
pink	word	leather	these
pleased	worth	liver	thick
printed		maple	thousand
provide		mate	ticket
pure		mean	tire
quart		meet	told
raised	act	meeting	trace
rate	bay	mend	true
reached	bet	moved	trust
remain	blame	new	trusting
remark	booklet	now	twice
request	born	obtain	understood
return	brick	oh	value
road	bridge	open	wake
roof	brush	otherwise	watch
row	calf	own	win
sack	camp	painted	world
sad	carpet	passing	young
saved	chicken	pen	94%
sending	cities	pie	advance
settle	club	plain	afternoon
sheet	company	pole	always
shop	cord	press	amount
short	cup	pump	army
shut	dad	quick	aunt
simple	darling	range	auto
sir	dead	rank	beat
sixty	dearly	recover	become

The Iowa Spelling Scales

been	offering	awhile	many
between	pain	bear	matter
bright	partly	began	member
brought	pass	bench	might
build	payable	branches	mighty
catch	pending	broken	nature
center	pillow	chain	nerve
chart	post card	chop	nicely
cleaning	power	church	nose
cloth	pride	cleaned	overlooked
coffee	pull	closed	pa
contract	railroad	colder	packing
cooking	rained	content	painting
crib	recall	copy	pair
dare	removed	correct	plenty
dealing	reported	cottage	pocket
depending	round	court	postage
discount	rushed	cream	prevent
doctor	scout	cure	printer
egg	season	damage	protest
English	seventh	daughter	ranch
enjoy	seventy	dearest	reaching
feeding	silver	death	repair
file	skate	deed	respect
finish	something	don't	retain
finished	sometime	dresser	rod
fit	somewhat	drug	rubber
flat	sorry	drum	September
funny	speak	easy	serve
garden	stage	enclose	share
getting	steam	everybody	shortly
gladly	still	exchange	showed
goldfish	street	fact	sit
grant	strongest	farther	slipper
granted	subject	fine	smaller
greater	thankful	folder	somewhere
hall	those	folk	sooner
hardly	thread	fully	speaker
heap	trying	gain	starting
heavy	twenty	gallon	staying
hen	upon	ha	stranger
January	vacation	hair	tend
joyful	vote	handed	there
kitchen	weather	happen	Thursday
kitten	western	hearing	tip
know	wet	herewith	training
lame	whereby	history	twelve
least	wrote	indeed	union
list		island	united
load		jar	valued
locate		leaves	weak
lower		liberty	wedding
lump	agent	likewise	welcome
match	answer	loaded	withdraw
nearly	anything	located	yesterday
noise	asleep	lone	
oats	ate	lovely	

STEP 6—92%

93%

98%			
address	largest	cleaner	requested
already	learning	closer	requesting
appear	less	cloudy	require
April	living	cutting	respond
aside	loyal	delightful	rug
August	merry	demand	sale
author	moment	desire	saving
bean	mostly	elect	scale
before	named	eve	second
belong	nearer	everyone	snap
bite	neck	everything	stock
both	need	extend	taught
broke	nobody	extra	tax
busy	officer	fear	team
cane	ordering	feeling	their
can't	patch	fixed	thought
carry	planted	forest	tile
cast	present	freeze	title
caused	printing	French	to
charged	production	froze	treated
checking	proved	frozen	understood
chum	public	gained	washed
classes	queen	greeting	wear
contain	reason	grown	whole
cooler	renew	having	
county	returned	hence	
damp	safe	herself	
dated	shed	hole	
does	shot	including	
dozen	sixth	ivory	
drill	square	joke	
duty	strongly	judge	
expert	studies	knowing	
express	trade	leaving	
family	uncle	listen	
fancy	use	lives	
filled	visit	location	
flesh	waited	mailing	
fresh	waiting	membership	
friendly	wanted	mind	
front	wheel	Miss	
grandfather	which	news	
grandma	wished	none	
gray	wonder	normal	
higher	wrong	package	
honest	zero	plow	
		pools	
91%	active	postal	
hurt	among	product	
instead	answered	program	
invited	anybody	provided	
iron	beg	race	
itself	behalf	raise	
join	Bible	reduce	
joined	broad	remind	
keeping	chance	render	
kisses	chapter	reply	

STEP 7—88%

90%

acting
aim
almost
ashamed
Aug.
beef
bid
builder
changing
cheap
cheaper
coasting
conduct
contained
continue
corner
daily
deeply
die
direct
dispose
dread
ease
enjoyed
excuse
extent
factory
failed
fair

favor	turn	meantime	improve
flavor	turned	mistake	inclosed
floor	velvet	nap	increasing
formed	voter	notice	industry
frame	watching	orange	inform
fuel	weary	painter	informed
gaining	weekly	pavement	intend
grind	wishes	posted	kindest
grit	woven	presented	later
heard	youth	prize	latest
hoped		property	local
I'm		raw	message
inasmuch	absent	reduction	movement
information	action	regret	moving
junk	afraid	relation	noticed
lamb	amounting	riding	organ
lumber	answering	rip	owned
making	anyhow	score	perhaps
met	anyway	seemed	phoned
miss	anywhere	setting	placed
neat	apart	shape	plum
nor	attend	stair	properly
noted	begin	steel	proud
November	bottom	suit	recovered
object	bugs	thirty	reduced
ours	button	thus	repeat
packed	cared	together	result
pearl	central	tried	retail
pencil	cheer	valley	returning
picking	chill	won	ribbon
plan	clearly	won't	rye
played	closing		says
poorly	comfort		silence
porch	deliver		suffering
politics	detail		talked
prove	devoted		text
providing	during		throat
rabbit	factor		treatment
reaches	feeder		trouble
reserve	foolish		uniform
right	force		wait
sash	German		warm
seal	glee		witch
secure	helped		worm
several	hurry		
sight	idea		87%
someone	I'll		across
sore	improved		attending
speed	intended		begun
suppose	invite		field
surface	knew		bigger
temple	ladies		birth
through	language		bluff
tie	latter		cause
township	leaf		concluded
toy	lodge		cousin
travel	loud		discovered
	lung		duties
			example

expressed	tiny	modern	enjoying
finest	useful	Mrs.	entering
finger	visiting	narrow	firm
fix	writer	odd	fitting
ford		owe	illness
future	STEP 8—84%	pastor	inspector
gas	86%	peace	instruction
gasoline	adjust	perfect	ironing
geography	admit	permit	length
graze	advice	piano	linen
health	afterward	pleasure	main
helpful	apply	prevented	mister
highest	await	promotion	mountain
holiday	awaiting	quickly	parlor
include	barley	quoted	perfectly
inviting	beauty	rack	placing
kept	beet	saver	prepared
known	built	shade	promised
laugh	capital	skirt	prospect
lighting	carrier	stating	running
liked	checked	student	saddle
lonesome	coach	throughout	slide
lucky	common	too	steady
maid	condition	topic	though
married	credit	total	tired
middle	dairy	turkey	traveling
month	deportment	visited	voice
monthly	dice	wage	weight
northern	directed	waist	women
nurse	eager	wasn't	wonderful
offered	eleventh	whom	84%
opening	else	workmanship	advanced
powder	fifteen	worse	afloat
pretty	figured		ans.
private	film	85%	baking
proven	final	account	barrel
raising	flour	adopted	beyond
rapid	following	advising	breaking
rapidly	football	aware	bulk
record	general	badly	butcher
refuse	germ	balance	chairman
relationship	globe	base	chose
reliable	gown	bit	circus
required	guess	brown	clerk
Saturday	handled	carried	clever
scare	honor	coming	collect
settlement	housekeeping	comply	color
since	ideal	containing	dealer
single	improving	conversation	decline
sock	investment	cough	district
soldier	lecture	covered	dwelling
spread	lie	debate	forwarding
storm	lonely	deserve	frankly
strike	lowest	directly	handling
stuff	machine	dirty	handsome
submit	manage	disposed	healthy
suitable		drilling	herein

husband	inclosing	question	prompt
inclose	knot	scarce	quantity
included	neighbor	server	reputation
instruct	notion	serving	ruin
letting	outlined	sew	secured
million	owner	sitting	select
model	parties	sorrow	sewing
needing	pertaining	standard	struck
nevertheless	proof	stories	supplied
ordered	pupil	throw	term
penny	quiet	tread	we'll
performed	quite	weighed	writing
personal	recess	worthy	
primary	refreshment	yoke	80%
protected	refund	you'll	addition
publisher	resulting		aid
regulation	roll		Ave.
renewed	served		average
simply	shoulder		booth
sis	sign	agreeable	chief
slept	skating	agreed	convention
spare	success	avenue	crazy
stamped	that's	blessed	desired
statement	unpaid	bowl	direction
supply	until	break	division
sure	written	captain	either
taxes		caught	enclosing
thereof		collection	excited
upper	adventure	connect	fare
view	boarding	considering	female
winner	buyer	coy	fern
worry	candle	curtain	forwarded
	cement	delivery	greatly
83%	couple	dose	grip
abstract	debating	effort	group
ache	depot	excess	growth
advantage	education	expected	hospital
although	explained	expecting	inquire
ample	famous	explain	loss
animal	forward	factories	minister
appeal	foundation	fault	ought
arrange	gotten	feature	picnic
automobile	haven't	furnace	prepare
backed	headquarter	future	profit
beaten	homestead	guide	resident
breakfast	insert	headache	settled
cheerful	limb	hurried	shown
companion	limit	instructed	sleet
delayed	method	I've	utmost
elected	minute	mass	vision
feel	moral	misses	woman
fourteen	needed	needle	yourselves
fourth	neglect	o'clock	
fund	past	oversight	79%
furnishing	plainly	pattern	adjustment
habit	presume	post office	ankle
important	promise	problem	attention

burden	crowd	piece	towel
buying	destroyed	progress	voting
cellar	due	putting	watched
colored	forty	reasonable	75%
constant	further	regard	accept
correction	gland	regular	accomplish
crew	humor	remembering	addressed
different	instant	replying	appointment
dreadful	manufacture	republican	assist
earnest	mentioned	route	attractive
entertainment	musical	selection	biggest
favorable	namely	service	closely
favored	neighborhood	situation	connecting
fee	parent	subscriber	connection
fitted	patient	sweater	constantly
forenoon	preacher	tight	couldn't
fortune	promptly	touch	creamery
friendship	quit	truly	doubt
furnished	rainy	weigh	effect
happened	recently	worst	enroll
human	regarding	wouldn't	entertaining
intention	represent		entire
invoice	section		exactly
manner	shipping		figuring
mention	shock		gentleman
natural	special		hasn't
oblige	waste		honestly
obtained	Xmas.		hoping
opened			interested
reception			international
recite			its
refused	addresses		moderate
remember	allow		ourselves
rendered	arrive		per cent
rough	assure		position
scrap	buggy		produced
seldom	carefully		publication
tanning	certainly		represented
telephone	consist		rifle
Thanksgiving	current		studied
toward	dangerous		supplies
trial	director		surprise
volume	entered		tickled
Wednesday	extended		transfer
	federal		wondering
78%	forced		74%
according	handkerchief	level	absolute
actor	hare	likely	automatic
adjusted	hers	measure	avoid
blackberries	I'd	owing	collar
blooming	installed	popular	commerce
cherries	isn't	prayer	complaint
cigar	lbs.	prepaid	courage
comfortable	loan	priced	deserved
complete	loving	produce	drama
confined	machinery	receive	entry
crippled	obliged	slippery	fever
	particular	smooth	

filing	72%	consideration	support
importance		debt	vacant
independent		decided	
internal		deposit	
jury		described	
laid		exam.	
largely		favorite	STEP 11—66%
loose		hello	69%
madam		increased	accordingly
manager		indicate	approved
neglected		interest	attain
opera		introduced	bracelet
parcel		issue	calves
procured		pardon	cedar
quarter		period	collecting
quote		remembered	combination
refer		remit	connected
register		satisfied	convinced
seller		splendid	copies
shopping		strict	corrected
strength		struggle	doubtless
supervision		supposed	earliest
to-morrow		taste	enrollment
tract		wearing	furniture
Tues.		70%	graduating
usual		appeared	grammar
violin		assured	gratitude
we've		awful	guest
whose		carrying	lately
you'd		considerable	library
73%		contrary	lovingly
appointed		control	realize
Bro.		course	relieve
calm		credited	satisfactory
circulation		crowded	search
correctly		employer	securing
dependent		explaining	serious
difference		explanation	system
easily		expression	themselves
extensive		forgotten	weren't
ghost		funeral	whether
gravy		instance	68%
hadn't		introduction	capable
increase	71%	Latin	citizen
justified		limited	concerning
nineteen		maybe	daddy
organized		medicine	discontinued
president		nervous	elsewhere
proceed		notify	graduation
queer		occupied	invitation
signed		passed	item
sire		positive	liquid
slightly		prevail	numerous
spirit		reservation	obligation
treasurer		satisfaction	possible
using		separate	published
		straight	really

shipped	received	cashier	doesn't
superior	salesman	choosing	evidently
67%	theater	conference	identify
advancement	transportation	customer	jobber
advertised	valuable	discourage	material
attended	64%	envelope	various
believe	additional	fabric	58%
continued	arrival	knowledge	anxious
didn't	article	lose	assistant
exact	assembly	missed	candidate
examination	clothe	possibly	compelled
examined	decide	prefer	cushion
frequently	decrease	profession	difficult
generous	deliveries	regardless	equipment
hustling	evidence	salary	excellent
impossible	genuine	sincere	exceptional
influence	happiness	suggested	investigation
manufacturing	hereby	transit	majority
ninth	honorable	61%	practice
operated	inclined	advertising	proposition
profitable	investigate	alfalfa	relative
recent	management	allowed	strictly
reference	misunderstanding	announce	successful
satisfy	patron	believing	welfare
66%	purchased	congratulate	57%
applicant	purpose	corporation	assortment
available	raiser	examiner	democratic
celebrate	realizing	expensive	electrical
companies	signature	fierce	entitled
confirm	studying	liable	equally
contemplated	worried	mamma	impression
Dr.	63%	mental	inducement
federation	affair	operation	instructor
maintain	arriving	process	instrument
national	attach	receiving	lining
opinion	banquet	reliability	literary
policy	brief	60%	manual
quotation	confer	activity	mere
remedy	design	application	meter
requirement	destination	cartoon	presence
resigned	disgusted	develop	previous
society	exercise	engineer	qualities
vary	graduate	establish	representation
wholesale	inquiry	expense	senior
65%	junior	glorious	series
agriculture	purchase	haste	timothy
alley	registered	legal	worrying
canned	respectfully	nephew	56%
concert	source	operating	character
fashionable	strawberries	safety	confidence
formerly	submitted	sanitary	development
heir		stomach	etc.
insurance	STEP 12—58%	tatting	examine
involved	62%	terrible	foreign
niece	altogether	59%	government
patent	billed	Christian	hauled
pleasant		democrat	

imagine	established	48%	co-operative
organize	exclusively		coupon
personality	gradually		finally
renewal	notified		literature
stopped	particularly		merit
succeed	planning		43%
55%	principal		administrator
acceptance	readily		approval
ambition	suggest		auditor
amendment	supervisor		certificate
bass	university		co-operating
business			correspond
catalogue	52%		familiar
choir	advertisement		journal
confirming	assistance		legislation
constitution	blizzard		merely
difficulty	calendar		organization
disease	commercial		quantity
error	data		response
extreme	estimated		surgery
generally	responsible		surplus
issued	sense		42%
losing	stationary		accordance
magazine	talent		arrangement
orchestra	universal		circumstances
politics			conservatory
prosperous	51%		correspondent
regularly	appearance		individual
territory	crocheting		justify
type	ere		principle
variety	fortunate		41%
	inferior		agricultural
STEP 13—50%	label		assume
54%	meant		auntie
assigned	nickel		demonstration
authorized	practicing		extension
beginning	probably		illustration
benefit	50%		immense
crochet	admission		inquires
customary	agency		necessary
favorably	appreciate		remembrance
merchandise	assurance		subscription
ninety	barely		substitute
occasion	carnival		unusual
original	coarse		40%
possession	excitemen		commission
similar	registration		communication
succeeded	sympathy		mechanical
63%	49%		practically
awfully	announcement		prior
completely	attendance		receipt
considerably	attitude		remittance
decision	contemplating		39%
demonstrated	duplicate		actually
description	engineering		continuous
disposal	heretofore		epidemic
	institution		
	urge		
STEP 14—42%			
		45%	
		44%	

possess	thorough	immediately	21%
professional	X-ray	recommend	accommodate
science	34%	referred	appreciating
specification	compliment	responsibility	20%
vicinity	exceptionally	satisfactorily	affidavit
38%	executed	27%	analysis
advisable	executive	bulletin	chautauqua
all right	license	canvass	unnecessary
authority	notary	conveniently	19%
ballot	sufficient	fraternally	recommendation
basis	33%	referring	
geometry	allotment	26%	STEP 18—16%
interfere	associate	candidacy	18%
rec'd	materially	committee	apparatus
scientific	occasionally	equipped	pneumonia
36%	opportunity	inconvenience	17%
STEP 15—34%	32%	maturity	anniversary
37%	acquaintance	necessity	appendicitis
absolutely	algebra	physical	guarantee
annually	courteous	tuberculosis	lieutenant
associated	financial	25%	thoroughly
exhausted	sincerely	campaign	16%
official	31%	correspondence	efficient
regretting	accredited	especially	zephyr
36%	acquire	fundamental	
acquainted	alumni	privilege	STEP 19—12%
consequence	association	solicit	13%
inst.	disappointment	24%	definitely
judgment	enthusiastic	anticipate	phosphorus
permanent	extremely	assessment	11%
specially	leisure	confirmation	characteristic
thesis	prosperity	enthusiasm	10%
35%	STEP 16—27%	grippe	ingredients
ambitious	30%	STEP 17—21%	rheumatism
annual	circuit	23%	
bureau	soliciting	accompanying	STEP 20—8%
client	29%	convenience	9%
convenient	affectionately	essential	efficiency
cordially	anticipating	exhibition	guaranteed
disappointed	capacity	Hallowe'en	peculiarities
immediate	commissioner	originally	schedule
institute	unusually	22%	
personally	28%	definite	
physician	bonus	mortgage	
possibility	community	politician	
quantities			
representative			

SECTION XIV

THE IOWA SPELLING SCALE

GRADE VII

GRADE VII

STEP 1—100%

able	fall	long	stick
about	farm	looking	stone
adding	fast	lot	such
afternoon	faster	make	take
again	fell	man	taken
age	fellow	many	teaching
air	fish	master	tell
all	five	me	test
alone	forgive	milk	that
an	from	more	the
are	gate	most	then
arm	get	mother	think
art	girl	must	thinking
asking	give	my	this
at	glove	name	time
be	go	neck	top
because	gold	net	toy
bell	good	Nov.	train
best	got	nut	tree
better	grade	old	unable
bill	grain	on	unless
black	had	one	up
book	half	out	us
box	hand	paper	very
boy	happy	park	wall
brain	have	pay	was
bring	help	people	way
but	helping	pick	we
call	her	pig	well
called	him	place	west
came	his	pleased	what
can	home	point	when
car	hot	postage	while
card	how	put	who
case	ice	reading	why
charge	if	rest	wife
class	inside	row	will
coat	into	rule	window
come	is	run	winter
corn	it	school	with
could	June	see	without
country	just	sell	word
cut	kind	send	work
day	land	she	working
deep	large	silk	year
did	last	sister	yellow
do	late	six	your
dog	left	snow	
early	lesson	some	
eat	let	space	
every	letter	stage	
eye	like	start	
fail	little	started	
	live	state	

STEP 2—99%

above
active
add
added

after	display	light	railroad
ago	doing	longer	rain
ahead	down	longest	rate
along	dress	look	reach
also	drop	love	read
am	each	loved	real
answer	earth	mad	red
any	east	made	report
ask	edge	mail	ride
away	eight	mailed	ring
baby	eighty	maker	river
back	face	market	rock
backing	farming	may	rush
bad	fat	meal	rust
band	fight	mean	sad
bank	filled	mill	said
banker	finding	Monday	Sat.
bean	fine	money	sat
bed	flat	mostly	saw
been	food	much	say
behind	for	mud	saying
belonging	found	music	seat
below	free	myself	self
big	game	night	shall
bird	getting	nine	sheep
birthday	given	north	ship
blank	glad	not	shoe
blue	going	note	short
bought	gone	notice	should
bright	grant	number	Showed
bringing	green	oats	sick
brother	handed	of	sign
bunch	hang	oil	sixty
butter	has	older	slow
by	he	oldest	snowed
calf	head	our	so
cannot	hill	outside	son
cap	holding	oven	song
cash	hour	over	sound
catch	house	overcoat	spell
cent	however	pack	spend
child	ill	page	sport
children	in	paying	spot
clean	ink	payment	spring
clear	Jan.	pen	stamp
close	joy	picking	stand
cold	July	pie	standing
cost	kindly	plate	stay
cream	kiss	play	still
cross	lace	playing	store
cup	lady	please	subject
dandy	lake	poor	summer
danger	landing	press	Sunday
dear	larger	print	sweet
December	law	proper	swell
dinner	leader	quick	table
discount	leave	rail	thank

thanking	April	delighted	income
them	as	died	inspect
they	Aug.	dispose	invited
thing	aunt	door	January
three	bake	drill	jump
till	ball	drug	keep
tire	bat	drum	keeping
told	battle	dust	kid
took	become	easy	kill
town	bee	end	kinder
trip	behalf	evening	kindness
trust	belt	ever	king
trusting	beside	example	labor
try	blood	exchange	ladies
twice	boat	express	lay
two	body	far	learned
under	booklet	fear	leather
use	boss	feed	life
vacation	bother	feet	lived
value	bottle	felt	liver
walk	boxes	fill	lives
want	branch	filling	living
washing	brush	finish	loaded
week	building	first	lost
went	burn	fishing	luck
were	cake	Friday	mark
whatever	calling	friend	marking
wheat	camp	fully	May
whenever	care	gift	meat
where	carpet	glass	meet
white	chair	glasses	mine
wide	chance	goat	Miss
willing	change	goose	mouth
win	check	grand	Mr.
wind	city	grandfather	nation
wise	classes	granted	near
wish	closed	great	nearly
wishing	cloth	hair	never
wood	club	harder	new
world	coal	hardly	news
would	coffee	hat	nobody
wrote	coin	hay	noon
yard	conduct	hearing	off
yes	contest	heat	once
yet	continue	heating	only
you	cook	heavy	or
zone	counting	here	other
	covering	herself	packing
	cow	high	paint
	cutting	hit	painted
act	dance	hog	part
agent	dark	holder	party
almost	darling	hundred	pass
amount	date	hunt	peach
and	deal	hunting	pine
another	Dec.	inch	placed
apple	delay	inches	planted

STEP 3—98%

pole	spelling	army	father
post	stood	auto	Feb.
pretty	stop	awhile	feel
printed	stunt	banking	few
printing	sugar	barn	fifty
provide	sum	basket	finished
race	sunshine	bay	fit
raised	talk	bear	flower
range	talking	before	folder
rank	tank	begin	foot
ready	telling	being	forget
reduction	ten	belong	four
remain	tested	bench	frost
remove	thin	bet	gain
removal	thousand	between	garden
rent	ticket	block	garment
renting	to-day	born	gather
request	ton	brick	gave
respect	travel	bushel	glee
rich	treat	button	grass
rolling	true	buy	ground
room	trunk	cared	growing
round	Tuesday	cattle	hall
safe	twenty	caused	handy
same	united	chain	hard
sample	used	chum	hate
sand	valued	church	hear
saved	visit	clay	held
seed	voter	clearly	higher
seeing	walked	clock	himself
sending	walking	cloudy	hold
sent	wanting	coast	homesick
set	war	colder	horse
seven	wash	company	I'm
seventh	washed	contain	iron
seventy	watch	cotton	island
shade	western	count	job
shipment	which	cover	judge
show	wild	crop	kitten
shut	wool	dad	know
silver	worked	daughter	largest
sin	write	dearest	learn
singing	yearly	deed	leg
single	yesterday	demand	less
sink	yourself	depend	lift
sit		direct	list
size		dodge	listed
slip	STEP 4—96%		dollar
small	97%		don't
snowing	abstract	dozen	local
soap	advance	dream	locate
soft	aim	drilling	location
sold	alive	drive	looked
soon	always	egg	low
sooner	anyone	election	lower
sort	anywhere	family	lunch
south		farmer	machine
			maid

mailing	September	wire	funny
March	serve	within	gladly
matter	settle	worker	greater
membership	several		grove
morning	share		grown
move	sheet	anybody	handle
moved	sickness	anything	happen
nature	side	around	hardware
nice	sleep	asleep	heard
no	smart	backed	hen
noted	soil	became	hence
nothing	someone	branches	highest
November	something	brand	history
now	sometime	brought	honest
object	spending	busy	hurt
Oct.	spent	carry	improve
office	standard	center	improved
orange	stated	changed	industry
order	station	charged	instead
outfit	staying	cheer	jar
painting	steam	chicken	joined
pair	step	Christmas	learning
papa	stove	cleaner	liberty
per	stranger	cleaning	lumber
picture	strongest	cooking	making
pin	stuff	cord	match
pink	suffering	cottage	mate
plan	sun	crib	meeting
pleasure	teacher	cure	message
plenty	teeth	damp	mighty
poorly	tenth	dare	million
pound	than	dealing	mind
prevent	thereafter	deeply	named
price	thick	degree	nerve
protest	those	desire	next
reached	thought	die	nicely
reaches	thread	directed	none
reader	thus	doctor	nor
recall	to-night	done	normal
recover	total	dressed	nose
remark	township	ease	obtain
renew	trace	English	October
reported	twelve	enter	open
require	uncle	even	ordering
required	understanding	extra	overlooked
respond	understood	fact	packed
result	union	farther	partly
retain	velvet	fence	patch
return	vote	figure	payable
rice	wagon	find	pencil
road	waiting	fire	person
rose	wanted	follow	phone
rye	watching	forgot	potatoes
sack	water	former	present
secure	welcome	fort	primary
seem	wet	fruit	produce
selling	wheel	fun	product

96%

profit	trying	depending	needed
provided	understand	deportment	noise
pump	upon	does	ocean
pure	voice	draft	offering
quart	waited	dread	oh
queen	whereby	earning	otherwise
question	wished	enjoying	own
raise	wishes	enough	package
record	won	except	pain
reduce	worth	excuse	passing
regulation	young	extend	pillow
relationship	zero	extent	pocket
render		factory	postal
rented		failed	post card
renter		famous	power
requested		favor	presume
returned	acting	feeling	prize
roof	action	file	program
rubber	address	fix	progress
rug	afraid	floor	public
scale	agree	form	pull
scare	anyhow	formed	raw
second	apart	frame	reaching
seemed	arrived	fresh	reason
seen	August	friendly	regret
Sept.	badly	fur	reply
shame	base	furnish	rushed
shape	beat	gown	score
shot	beg	grandma	scout
sight	begun	grew	season
simple	bid	guess	shop
sir	birth	hoped	skate
smaller	blame	hotel	sorry
snap	blow	insist	speaker
somewhat	bottom	joke	square
somewhere	bridge	killed	suit
speak	broke	kitchen	team
special	brown	knowing	tent
spoke	build	known	thankful
spread	can't	language	thirty
stair	cause	laugh	through
starting	central	length	Thursday
steady	chapter	letting	tie
stock	charming	likewise	trade
street	chop	located	treatment
study	cities	lone	turned
supper	clothing	lonesome	wake
sure	colt	loud	warm
taking	content	lovely	weary
talked	contract	lowest	weather
temple	cooler	lump	wedding
there	court	maple	whole
these	damage	mind	witch
third	dated	might	withdraw
tile	debate	month	worm
tip	debating	monthly	woven
treated	decline		wrong

94%	knew lame leaving lighting listen lodge loving lucky ma married meantime member mistake mister northern notify notion opened ordered pearl pending played powder presented prevented production ranch recovered refused relation remind repair repeat rip shortly sixth sock studies supply taxes tried trouble turn uniform valley visited visiting watched weak worry youth	advantage already ample animal ans. answering aside asked ate bugs cane cheap checked collect copy correct cough daily dealer district division domestic dreadful dresser during duties education eleventh expressed factor fancy female field film folk football force front geography having herewith homestead human hurry idea include indeed informed invite justify kisses leaves lecture loyal measure model moderate	moment movement narrow natural nearer neat newspaper odd officer pavement plum printer promotion quickly quoted rack raining recess refuse requesting retail returning rod rough running sale served serving settlement sewing shock sorrow stamped stories strongly student tend term their throughout tiny to track training turkey unpaid useful winner wonder wonderful worthy
	STEP 6—92%		92%
increase		absent	
instruct	93%	acre	
itself	account	afterward	
join	actor	aid	
joyful	addition	arrive	

artist	kept	attending	refreshment
attraction	kindest	beaten	regular
barley	lamb	beyond	reliable
barrel	latest	boarding	reserve
beet	least	breakfast	says
bit	liberal	built	shipping
blessed	lonely	candle	silence
blew	lung	caught	simply
bluff	manage	circulation	since
both	merry	circus	skirt
broad	middle	color	speed
burden	modern	common	taste
carried	moving	concluded	taught
cast	need	condition	tax
changing	needle	containing	trained
cheaper	offered	conversation	until
checking	organ	creamery	upper
cigar	ours	dairy	wage
cleaned	painter	detail	written
clerk	parties	difference	
closer	peace	discovered	STEP 7—88%
coach	perfect	encourage	90%
coasting	permit	enjoyed	according
companion	pools	entering	anyway
complete	private	expected	appeal
connecting	prompt	expression	ashamed
corner	properly	feeder	attention
corrected	prospect	final	aware
covered	proved	followed	booth
credit	rained	foolish	butcher
dancing	remember	forth	buying
death	riding	greeting	chill
delivered	right	habit	connect
directly	sash	household	connected
enjoy	saving	ideal	connection
eve	seal	inform	couple
everybody	setting	intended	crazy
everyone	shed	ivory	delayed
feeding	shoulder	junk	delightful
finest	steel	leaf	dirty
finger	suitable	main	eager
flesh	surface	miss	effort
foundation	though	nevertheless	enclosed
frankly	throat	owe	entertainment
freeze	title	pastor	expecting
French	topic	posted	fairly
furnace	wait	pride	fortune
gained	wear	problem	friendship
goldfish	worse	promise	fuel
greatly	writer	protected	fund
headache	91%		furnished
health	advising	proud	gaining
honor	against	prove	gas
husband	although	proven	gentleman
important	amounting	pupil	German
information	appear	quotation	gotten
inviting	apply	rabbit	
		reduced	

grind	author	thereof	mass	
grit	automobile	too	national	
grocery	beauty	tread	nurse	
healthy	careful	trial	outlined	
I'll	closely	wasn't	parlor	
included	contained	won't	perhaps	
investment	current	worst	plow	
later	curtain	88%		
level	dangerous	acted	possible	
liked	debt	admit	prepare	
liquid	direction	advanced	president	
met	entered	adventure	promised	
minute	failure	allow	rainy	
neglect	fair	attended	register	
neglected	fashion	Ave.	renewed	
noticed	fee	avenue	reputation	
obtained	fierce	bigger	scrap	
owner	forgotten	break	seldom	
penny	further	buggy	server	
period	germ	cement	service	
phoned	globe	certain	skating	
piano	grammar	chairman	slightly	
porch	graze	cherries	soldier	
prepaid	guide	chief	success	
providing	handling	comply	therefore	
putting	helped	composition	tired	
raising	hereafter	consider	treasurer	
rapid	hesitate	considered	87%	
rapidly	honestly	correctly	agreeable	
refund	inclosed	cousin	agreed	
remained	instruction	crew	ambition	
resulting	isn't	didn't	appointed	
saddle	jury	difficult	approved	
section	loss	dwelling	assist	
secured	method	entire	average	
sis	mountain	exact	await	
slept	Mrs.	explained	awaiting	
slipper	nap	fault	baking	
smooth	neighbor	following	balance	
social	opening	forty	blackberries	
statement	owned	forwarding	blooming	
suppose	pa	fullest	buyer	
Thanksgiving	per cent	furnishing	cabinet	
vision	picnic	future	calm	
weigh	plain	gasoline	carefully	
weight	popular	gland	cheerful	
whom	property	happened	collection	
women	recite	hare	coming	
wondering	regard	helpful	commerce	
89%	ribbon	herein	consideration	
absolute	settled	holiday	considering	
across	sore	housekeeping	construction	
addresses	strike	increasing	convention	
adjust	struggle	inspector	correction	
advised	style	instructed	depot	
arrange	sweater	lie	desired	
assure	text	limb	dice	
			director	

due	clever	copies	colored
enclosing	closing	drama	comfortable
entirely	commence	excess	confixed
entitle	courage	favorable	constantly
excited	described	federal	continued
expired	deserve	forced	cute
firm	different	forward	decided
fitted	dose	forwarded	discourage
fitting	earliest	fourteen	either
funeral	effect	growth	enrolled
gentlemen	fare	inclose	error
ghost	fourth	increased	extended
impossible	garage	indicate	favored
improving	gee	intend	federation
inquire	graduation	international	group
ironing	grip	knot	hospital
limit	guest	lately	importance
machinery	handled	limited	inasmuch
manufacture	handsome	linen	inclosing
needing	headquarter	minister	insert
numerous	humor	musical	I've
parent	hurried	namely	misunderstanding
pertaining	intention	obliged	past
placing	interest	o'clock	patent
position	issue	ought	piece
prayer	latter	ourselves	process
prepared	manner	produced	purpose
preparing	oversight	publication	queer
priced	parcel	quality	received
promptly	performed	represented	reception
proof	personal	rifle	relative
publisher	plainly	roll	representation
quiet	post office	route	republican
quite	proceed	select	resident
reasonable	published	seller	saver
Saturday	recently	signed	scarce
sew	represent	sleet	society
slide	selected	strawberries	system
spare	selection	suggest	tanning
strength	situation	themselves	telegram
struck	traveling	together	telephone
submit	whose	to-morrow	that's
throw	yourselves	towel	tract
touch	86%	volume	waste
transportation	ache	woman	Wednesday
truly	advertised	wouldn't	workmanship
view	appeared	84%	89%
waist	avoid	adjusted	absence
weekly	believe	advertise	capable
weighed	bowl	advice	circular
yoke	breaking	advise	citizen
STEP 8—84%	capital	afloat	confident
	celebrate	ankle	creep
86%	chose	applied	crippled
banquet	complaint	approval	doubtless
bog	consist	carrier	earnest
	constant	cashier	enclose

The Iowa Spelling Scales

enroll	internal	theater	deposit	
exam.	material	tickled	destroyed	
exciting	mention	toward	explaining	
factories	neither	usual	filing	
graduate	oblige	vacant	hadn't	
graduating	perfectly	we'll	haven't	
gratitude	purchase	Xmas.	hereby	
instance	quarter	80%		
insurance	recent	actual	independent	
interesting	remembered	adjustment	institution	
knowledge	remit	appreciate	introduction	
laid	replying	article	lovingly	
legal	resigned	attractive	management	
manager	salary	booster	moral	
manufacturing	securing	canned	neighborhood	
misses	subscriber	captain	occupied	
owing	surprise	course	opinion	
particular	worried	credited	patient	
preacher	writing	desiring	regarding	
receive		exercise	rural	
ruin		extensive	stayed	
satisfied		fabric	studied	
search		figuring	voting	
shipper	assembly	forenoon	78%	
shopping	bracelet	hello	ability	
shone	cartoon	inclined	agency	
stating	companies	interested	argument	
supplied	conference	jobber	certainly	
supposed	delivery	justified	college	
tight	develop	library	conclusion	
violin	disposed	likely	considerable	
82%		manual	convinced	
accept	doubt	notified	couldn't	
accomplish	entertaining	positive	daddy	
addressed	fern	quit	difficulty	
adopted	fever	raiser	entry	
appointment	freight	remembering	established	
arranged	handkerchief	rendered	exception	
arriving	happiness	source	favorite	
assured	invitation	superior	finally	
assuring	item	universal	hasn't	
attached	loan	wearing	heir	
attempt	loose	you'll	involved	
awful	mentioned	79%		
biggest	nephew	agriculture	lbs.	
cellar	operated	attach	nineteen	
collecting	passed	attain	opera	
concern	pattern	authorized	ordinary	
design	prevail	automatic	procured	
easily	realize	calves	sanitary	
employed	regardless	choose	stationary	
entertain	satisfactory	collar	straight	
ford	serious	concerning	tatting	
generous	sitting	convince	Tues.	
hoping	slight	coy	utmost	
improvement	spirit	decrease	we've	
instant	supplies	dependent	whether	

77%	proposition refer regularly satisfaction transfer university	suggested territory valuable vary wholesale worrying	respectfully salesman
accident activity affair arrival channel concert contemplated crowd deliveries democratic deserved destination durable establish evidence exactly examined February hustling junior liable lining maybe nervous policy Prof. purchased quote slippery supervision using you'd	75% allowed anxious assistant blizzard character Christian confer confidence crowded discontinued duplicate expense explanation favorably haste influence installed introduced journal largely organized registered relieve series signature sire strict surprised transit	75% choosing commercial coupon cushion description enrollment fashionable government hers impression instrument issued Latin meant ninth orchestra previous profitable prosperous realizing receiving responsible type vicinity	71% assurance barely billed braid business confirming control democrat genuine identify personality principal reliability reservation satisfy senior strictly usually weren't
STEP 10—73%		72% accordance admission alfalfa announce applicant bargain based believing disagreeable disposal elsewhere examination engineer envelope expensive frequently gravy honorable illustrating its merchandise pardon possibly remedy shipped submitted	70% advancement alley altogether carrying contemplating contrary disgusted electrical entitled evidently furniture institute literature practice premium sincere splendid
76%	application brief Bro. choice compelled customer decide formerly hauled investigate investigation literary madam maintain mamma mere obligation operating operation pleasant	74% advertising cedar combination development Dr. employer engineer envelope expensive frequently gravy honorable illustrating its merchandise pardon possibly remedy shipped submitted	STEP 11—66% accordingly benefit candidate choir circumstances considerably doesn't equally equipment gradually invoice missed politics

presence	attitude	60%	meter
similar	bass	absolutely	opportunity
stomach	capacity	allotment	probably
terrible	coarse	assigned	55%
various	corporation	assume	acceptance
68%	electricity	attorney	annual
accomplished	executed	beginning	catalogue
available	foreign	conservatory	installment
estimated	generally	council	official
label	inquiry	decision	practically
niece	practicing	demonstration	
separate	registration	excellent	STEP 13—50%
successful	renewal	exhibit	54%
67%	stopped	inferior	athletics
advisable		organization	completely
appreciated	63%	planned	hastily
constitution	administration	response	necessity
engineering	assistance	safely	occasion
etc.	auditor	supervisor	personally
exceptional	awfully		preliminary
instructor	basis	59%	quantities
patron	civics	acquire	quantity
prosperity	confirm	appreciation	Sabbath
substitute	congratulate	co-operation	straightened
welfare	examiner	crochet	
66%	librarian	excitement	53%
assignment	readily	existing	advertisement
clothe	timothy	inducement	agricultural
demonstrated		planning	bulletin
distribution	STEP 12—58%	science	community
employee	62%	secretary	extension
magazine	acknowledge	talent	geometry
mechanical	appearance		merit
practical	aren't	58%	principle
preparation	interfere	announcement	
subscription	naturally	consequently	52%
succeed	nickel	consultation	acquainted
sympathy	particularly	good-bye	alumni
variety	possession	individual	ambitious
65%	semester	maturity	associate
amendment	urge	relieved	client
congratulation		sense	compliment
data	61%	57%	cordially
exclusively	actually	ballot	correspond
experience	additional	carnival	referred
illustrated	calendar	cordial	remembrance
lose	certificate	disappoint	superintendent
prefer	commission	grateful	
resource	co-operative	legislation	51%
studying	customary	remittance	arrangement
succeeded	exhausted	specification	campaign
surplus	heretofore		disappointment
unusual	inquiries	56%	enthusiastic
64%	losing	administrator	financial
associated	ninety	appreciating	girlie
assortmēnt	organize	association	permanent
	original	co-operating	
		crocheting	50%
		disease	bureau
			communication

regretting	44%	38%	29%
sincerely		executive	accompanying
solicit		originally	guarantee
thorough			
49%			
enormous		STEP 15—34%	28%
license	43%		convenience
materially		analysis	peculiarities
necessary		equipped	
physical		fundamental	
responsibility		mortgage	
48%		36%	X-ray
all right		fraternally	
ere		unusually	25%
exceptionally		35%	recommendation
familiar		efficient	
inconvenience		physician	
merely	42%	34%	appendicitis
possibility		affectionately	conveniently
professional		33%	pneumonia
receipt		committee	
47%		correspondence	STEP 17—21%
auntie		occasionally	23%
authority		referring	anniversary
definite		tuberculosis	grippe
soliciting		32%	rheumatism
46%		accommodate	
attendance		anticipating	21%
consequence	40%	apparatus	Hallowe'en
disappointed		characteristic	
immediately		unnecessary	20%
STEP 14—42%	39%	31%	definitely
45%		candidacy	ingredients
immediate		confirmation	19%
rec'd		inst.	phosphorus
specially			
sufficient			STEP 18—16%
surgery			18%
		STEP 16—27%	affidavit
		30%	16%
		efficiency	zephyr
		lieutenant	

SECTION XV
THE IOWA SPELLING SCALE

GRADE VIII

GRADE VIII

STEP 1—100%	body	dinner	herself
able	book	done	high
about	bottle	dream	hill
above	bought	dust	him
add	box	each	himself
added	brick	earth	his
adding	bring	east	hog
advance	brother	easy	holding
afternoon	bunch	eat	horse
again	but	edge	hot
age	butter	eighty	house
ago	by	end	hunt
all	call	enjoy	hunting
alone	called	eye	ill
along	calling	face	important
am	came	fail	in
an	camp	fall	inches
and	can	farm	ink
another	car	farming	inside
anything	card	feet	into
apple	care	few	is
are	cash	filled	it
army	cause	fine	job
around	cent	fire	July
art	child	fishing	June
as	children	food	just
ask	city	foot	keeping
at	class	form	kid
away	clean	found	kind
baby	clear	free	kinder
back	close	from	lake
backing	coach	gained	land
bad	coal	get	large
ball	cold	girl	last
band	come	give	late
bank	contest	given	law
banking	corn	go	lay
bat	cost	going	leader
bat	country	gone	left
be	cow	good	leg
because	cross	got	less
been	cup	grade	let
behind	dad	grain	letter
being	danger	greater	life
bell	dare	had	like
belong	darling	half	list
below	date	happy	little
best	day	has	live
better	December	hat	lived
big	decline	have	liver
bill	deed	hay	lives
bird	degree	he	load
blank	did	head	long
board	died	help	look
		her	looking

The Iowa Spelling Scales

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love	partly	silk	thousand
low	payment	sit	three
mad	pen	six	time
mail	people	size	train
mailing	person	slow	treat
make	pie	small	tree
making	place	smart	trust
man	plate	snow	trusting
many	play	so	trying
market	pleased	soft	twenty
mate	poor	sold	under
may	power	somewhat	understand
me	prevented	sound	understanding
mean	put	spelling	up
membership	question	spend	use
message	rail	spent	value
milk	raised	spoke	waiting
mill	range	sport	walk
mine	read	stamp	wall
money	reader	start	wanted
more	ready	started	was
most	real	starting	wash
mother	reason	state	watch
move	red	stated	water
must	rent	station	way
my	report	stay	we
named	request	stick	well
nature	rest	still	were
nearly	return	stock	what
net	rich	stone	whatever
next	ride	stood	wheat
nice	rock	store	wheel
night	room	storm	when
nine	round	stranger	where
nobody	rug	study	while
noon	rule	subject	who
not	run	such	wife
note	rush	summer	will
nothing	said	sunshine	willing
object	sample	take	wind
office	Sat.	talk	wire
oil	saw	teach	wise
old	say	teaching	with
oldest	school	tell	without
on	see	telling	wood
once	seeing	ten	work
one	send	tent	worked
open	sending	test	worker
order	set	thank	working
out	setting	thanking	world
over	sheep	that	would
overcoat	ship	the	woven
own	shoe	them	wrote
pack	short	thing	year
page	should	think	yellow
painted	show	thinking	yes
paper	sick	this	yet

you	carry	evening	hate
yourself	case	ever	heard
zone	catch	every	heat
	cattle	exchange	heavy
STEP 2—99%	chain	expected	helping
	chair	express	here
abstract	charge	fact	history
account	charged	factory	hit
act	chart	failed	hold
action	cheer	far	holder
address	church	farmer	home
after	cities	fast	hotel
agent	classes	faster	hour
ahead	cleaned	father	how
air	clothing	favor	however
also	club	fear	hundred
amount	coat	feed	hurry
answer	coffee	fell	ice
any	coin	fellow	if
anybody	company	fight	inch
anyhow	conduct	figure	instead
April	contract	file	instruction
arm	cook	fill	invite
asking	correct	filling	invited
ate	could	finding	ivory
attend	count	finish	Jan.
Aug.	court	fish	January
aunt	cover	fit	joy
awhile	covering	five	judge
bake	cream	flesh	keep
banker	cut	for	kill
barn	cutting	force	kindly
bottle	dandy	forgive	king
bee	dark	formed	kiss
before	dead	fort	know
between	deal	Friday	lace
black	dealing	friend	ladies
block	dear	front	lady
blood	debate	gain	landing
blue	deep	gate	larger
boat	delay	gave	learn
booklet	depending	gift	learning
boss	discount	glad	leaving
bother	display	glass	light
boxes	district	glove	located
boy	dog	goat	longer
brain	doing	gold	longest
branches	down	goose	looked
bright	dress	green	lost
bringing	drew	grew	lot
brush	drill	ground	loved
build	drop	hair	lovely
built	drug	handed	lower
bushel	drum	handy	luck
cannot	duty	happen	lump
cap	early	hard	lunch
car	earning	harder	made

mailed	playing	settlement	they
maker	please	seven	thin
mark	pleasure	seventy	third
married	pocket	several	those
master	point	shade	thought
match	present	shall	thus
matter	press	shame	ticket
Monday	print	share	tip
mostly	printed	she	to-day
mountain	printer	shut	told
mouth	produce	sickness	took
Mr.	product	silver	top
much	protest	simple	town
mud	provided	sin	township
music	pull	sir	toy
myself	pure	sister	trade
name	quart	sixty	trip
nation	quick	skate	trunk
near	railroad	sleep	try
never	rain	slip	two
new	raise	smaller	unable
nicely	rate	snowing	union
normal	raw	soil	unless
north	reach	some	us
nose	reading	something	used
notice	reduced	sometime	valued
Nov.	reduction	son	wagon
number	remain	song	waited
nut	removed	soon	wake
oats	rented	sooner	walked
Oct.	renting	space	want
of	repeat	spell	wanting
off	reply	spot	war
only	result	spring	warm
outside	rice	square	washing
oven	ring	stage	watching
overlooked	river	stamped	went
packing	rolling	stand	western
paint	roof	standing	white
painting	rubber	staying	why
papa	running	stove	wild
park	rust	strongest	win
part	sack	stunt	window
party	safe	sugar	winter
pass	same	Sunday	wish
patch	sand	sweet	wished
pay	sat	swell	wishes
peace	score	table	wishing
peach	seat	taken	within
personal	second	talking	word
phone	secure	tank	worth
pick	seed	teacher	wrong
picking	self	teeth	yard
picture	sell	tenth	yesterday
pig	selling	than	your
pine	sent	then	zero

STEP 3—98%	chicken	feeling	lift
acre	chum	felt	liked
acted	cleaner	fifty	listed
acting	cleaning	first	living
active	clearly	fixed	loaded
actor	clerk	flat	local
against	closed	flower	locate
aid	cloth	forget	location
alive	coast	former	loud
among	colder	four	lung
answered	colt	frame	machine
answering	condition	French	maid
anyone	construction	frost	maple
anywhere	contain	fruit	March
aside	continue	fur	marking
asleep	cooking	furnish	May
auto	cool	gather	meal
aware	cord	germ	meantime
backed	corrected	grant	measure
basket	cottage	granted	meat
bean	cotton	grass	meet
bed	counting	greatest	method
began	crop	growing	middle
begun	daily	hand	might
behalf	damage	hang	mighty
belonging	damp	hardly	mind
belt	dance	hardware	Miss
bench	daughter	health	mistake
beside	dealer	heap	month
Bible	debt	hear	monthly
birthday	Dec.	heating	morning
blame	delighted	held	moved
born	depend	herewith	neck
branch	deportment	highest	news
bridge	die	hole	noise
broke	direct	honest	none
broken	do	idea	noted
brought	don't	improved	November
building	door	income	now
burn	draft	inform	offering
buy	dresser	iron	older
buying	drive	island	orange
cake	egg	jar	other
calf	eight	jump	our
careful	eighteen	jury	ours
carpet	else	kindness	package
cat	English	kitten	parties
caused	entire	lamp	paying
center	even	lame	per
chance	everything	largest	pillow
change	example	laugh	pink
changed	excuse	learned	plenty
chapter	expecting	leather	popular
charming	extend	leave	post
cheap	family	leaves	posted
check	fat	lesson	pound
	feeding	liberty	pretty

		STEP 4—96%	
prevented	spending	97%	duties
price	steam	advanced	ease
printing	step	adventure	education
prize	stop	advise	elected
production	street	afterward	election
promise	strongly	agree	eleventh
proper	student	aim	enough
property	sum	almost	entered
proud	sun	already	eve
provide	supper	ample	everyone
queen	taxes	animal	excited
race	tested	ans.	expert
reached	thereafter	appointed	extent
reaches	thick	base	extra
reaching	thirty	beat	factor
recall	thread	beauty	failure
record	tile	beg	Feb.
recover	till	begin	female
refuse	tire	bet	fence
regular	ton	blessed	film
regulation	topic	blew	find
relation	trained	blow	finished
remark	travel	bluff	folder
remove	treated	boiler	follow
renter	treatment	both	forest
repair	true	brand	fortune
require	turkey	bugs	freeze
reserve	twelve	builder	fully
respect	twice	button	fun
respond	understood	buyer	funny
retail	upon	calm	furnished
road	valley	carried	gaining
rushed	very	cast	garden
sad	visit	cheaper	gentleman
sale	vote	checked	glasses
saying	voter	chill	glee
season	walking	chop	gotten
section	washed	clay	gown
seen	watched	clock	grand
Sept.	weak	composition	grandfather
September	week	consider	great
seventh	welcome	conversation	greatly
shop	west	crib	hall
shot	wet	cure	handle
showed	whenever	dated	having
side	whereby	dearly	hearing
sight	which	deeply	improve
sign	wide	deliver	included
simply	witch	depot	increase
singing	wonder	devoted	inquire
snap	worm	direction	insist
snowed	worse	dodge	inspect
somewhere	write	dose	instruct
sort	yearly	dressed	interest
south	young	drilling	introduced
speed		during	issue
			itself

I've	requested	beaten	general
joined	required	became	gladly
kitchen	resident	become	gland
knowing	retain	beyond	goldfish
labor	returned	bid	greeting
leaf	right	bigger	harvest
least	rod	birth	helped
lecture	saved	brown	hereafter
letting	scale	buggy	homesick
lone	settle	burden	homestead
lonesome	shed	busy	hoped
lumber	sheet	cared	hurt
meeting	shipment	carrier	ideal
member	shortly	caught	illness
mend	single	cigar	indeed
miss	sink	circus	industry
moment	sixth	closer	information
movement	slipper	collect	inviting
need	sorry	collection	joke
needed	speak	color	kept
needle	special	comfort	killed
nerve	spread	companion	known
obtain	stair	connect	language
October	stories	constant	later
opened	stuff	copy	length
or	suffering	correctly	level
otherwise	suppose	couple	likewise
outfit	tie	cousin	limited
packed	tired	covered	lowest
pain	to	dearest	lucky
passing	total	death	ma
payable	trace	demand	manage
pencil	trouble	desire	mass
per cent	turn	directly	minister
perfect	turned	dispose	minute
pin	united	does	moderate
plain	velvet	dollar	narrow
plan	visiting	dread	nearer
planted	whom	enclose	neat
poorly	withdraw	enjoying	neglected
post card	wonderful	entering	nor
potatoes	wool	everybody	nurse
prefer	youth	expressed	odd
problem	96%		officer
progress	according	extended	ordering
prospect	addition	federation	ourselves
pump	addresses	field	owe
putting	advantage	fifth	owner
rack	always	finest	pair
rainy	appeal	flavor	particular
ranch	appear	floor	pavement
rank	appeared	forgot	period
recess	apply	foundation	phoned
reduce	attended	frankly	porch
remind	average	froze	postage
render	barrel	fund	prepare
reputation	bear	gallon	president

	STEP 5—94%	farther	owned
pride		feature	painter
primary	95%	feeder	pearl
prompt		feel	pending
properly		fifteen	performed
public		final	perhaps
rained		fix	piano
raining		flour	played
rapid		football	possible
refused		fourteen	postal
relative		friendly	presented
remained		frozen	produced
remember		furnishing	program
reported		future	promptly
resulting		garage	protected
rip		gas	proven
rose		geography	providing
seal		getting	published
seem		globe	pupil
serve		graduate	quickly
served		grandma	raising
settled		grit	recovered
shape		guess	regret
shock		ha	relationship
signed		habit	rendered
since		honor	renew
sock		hurried	returning
soldier		husband	ribbon
someone		I'll	sash
sorrow		include	saving
speaker		including	says
steel		intended	scout
strike		interested	search
suit		investment	service
system		join	serving
talked		joyful	shipping
team		kisses	skirt
territory		knew	sleet
text		knot	soap
thankful		limb	steady
there		lodge	supplies
these		loyal	supply
Thursday		manner	support
tiny		mister	supposed
to-night		moral	sure
towel		Mrs.	sweater
training		musical	taking
trial		national	temple
Tuesday		neighbor	their
until		newspaper	themselves
upper		northern	though
vision		noticed	throat
wear'y		notion	through
wedding		obtained	throughout
weekly		ocean	title
won		offered	track
worst		oh	tract
yourselves			

The Iowa Spelling Scales

transportation	foolish	spirit	finger
tread	fuel	standard	fitted
uniform	garment	statement	folk
visited	gentlemen	strength	funeral
voice	gray	studies	furnace
waist	grind	substitute	gasoline
woman	grove	success	group
written	guide	supplied	hence
94%		hen	tanning
absolute	higher	tax	holiday
advising	household	term	honestly
afloat	human	thereof	humor
although	importance	vacation	improving
artist	increasing	wait	institute
ashamed	informed	wear	international
assembly	inspector	winner	introduction
assist	intend	worthy	ironing
Ave.	interesting	Xmas.	justified
avenue	junk	STEP 6—92%	
badly	liberal	95%	
balance	lie	adjustment	liable
bite	lighting	anxious	limit
bottom	likely	apart	loving
bulk	listen	application	main
candle	lovely	arrive	manager
can't	maintain	assured	modern
carefully	model	attached	nap
cashier	moving	attain	neglect
certain	natural	attempt	nevertheless
chairman	no	attending	notify
changing	outlined	avoid	opening
cheerful	permit	boarding	organ
citizen	pertaining	booth	pa
complaint	pole	clever	penny
connection	powder	cloudy	plainly
consideration	preacher	concert	pools
convention	priced	confined	prepaid
cough	process	consist	private
county	promotion	containing	proceed
curtain	prove	correction	proved
dancing	publisher	decrease	quiet
dangerous	quality	design	quotation
debating	quite	didn't	recite
democratic	rapidly	division	refund
dice	reception	dreadful	regardless
difference	refreshment	enclosed	reliable
difficult	register	encourage	requesting
directed	replying	entirely	scrap
due	rough	exam.	seemed
extensive	row	expired	server
fairly	rye	fashion	sire
fare	satisfaction	fashionable	situation
fault	scarce	favored	skating
favorable	shopping	federal	slide
fee	silence	fever	smooth
figured	sore		struck
	spare		struggle

style	eager	salary	machinery
subscriber	employed	secured	majority
suitable	enjoyed	seldom	material
surface	enter	seller	mention
taste	entitle	serious	million
taught	evidence	social	needing
telephone	excess	submit	neither
tend	expensive	Thanksgiving	notified
therefore	explaining	tickled	oversight
throw	followed	traveling	parcel
tight	forced	wage	perfectly
touch	forgotten	wearing	position
tried	forth	Wednesday	purchase
uncle	fullest	workmanship	purpose
unpaid	government	91%	responsible
useful	grammar	adopted	sanitary
wasn't	headache	affair	sew
weather	healthy	agriculture	sis
weight	hello	ambition	stayed
whole	hereby	applied	to-morrow
wholesale	housekeeping	attraction	valuable
whose	I'd	baking	we'll
women	inclined	believe	
wondering	increased	biggest	STEP 7—88%
worry	indicate	bit	90%
you'll	instance	blackberries	
92%	instant	bowl	actual
ability	instructed	cabinet	addressed
absent	instructor	certainly	admit
accomplish	invitation	cherries	arrange
adjusted	lbs.	choice	blizzard
advancement	linen	circulation	blooming
appointment	mental	concern	college
article	merry	creamery	combination
attention	met	creep	comfortable
author	obligation	crew	conclusion
await	parent	different	confidence
break	parlor	drama	considered
breaking	pastor	effort	copies
butcher	piece	enroll	courage
capable	placing	explained	coy
captain	policy	firm	cute
chief	prepared	ford	decided
closely	presume	German	discontinued
closing	prevail	glorious	doubt
considerable	previous	graduation	doubtless
considering	promised	grocery	either
constitution	quarter	handled	employer
cooler	quit	handling	established
crippled	rabbit	herein	estimated
delayed	recent	improvement	examined
delightful	regard	inclose	expense
detail	represent	internal	expression
director	roll	invoice	favorite
discover	route	legal	fierce
disposed	ruin	loan	following
dozen	saddle		forward

frequently	agreed	weigh	respectfully
fresh	argument	won't	rifle
gee	arrival	writing	Saturday
grown	arriving	88%	sewing
guest	banquet	ache	sitting
helpful	billed	ankle	society
I'm	cedar	approval	source
impression	choose	assure	studied
inclosed	circumstances	assuring	submitted
insurance	collar	attorney	surplus
involved	colored	automatic	view
issued	continued	automobile	waste
item	dairy	braid	weighed
largely	deliveries	Bro.	87%
lately	delivery	cartoon	accordingly
liquid	discourage	celebrate	announce
loss	entertaining	coming	arranged
madam	error	commercial	attach
manual	exactly	comply	booster
nephew	fourth	contrary	calves
nineteen	freight	credited	canned
oblige	generous	current	cellar
o'clock	gradually	decide	character
ordered	graze	deposit	collecting
post office	grip	deserved	commence
preparing	happened	disposal	conference
proposition	hesitate	durable	convince
publication	independent	earnest	course
purchased	insert	engineer	data
realize	installed	exciting	destination
recently	investigate	exercise	earliest
remembered	laid	fern	enclosing
remembering	mentioned	fortunate	fitting
renewed	numerous	forty	generally
representation	opera	forwarding	gratitude
represented	ordinary	friendship	hadn't
riding	past	further	happiness
rural	pattern	ghost	haste
securing	personality	growth	hospital
select	picnic	hare	illustrated
selection	plum	headquarter	institution
series	possibly	identify	intention
shipper	practice	impossible	investigation
slept	profitable	inasmuch	junior
slight	queer	latter	knowledge
slightly	reasonable	manufacture	misses
splendid	satisfactory	misunderstanding	namely
suggest	saver	occupied	ought
treasurer	selected	plow	owing
university	shown	prayer	realizing
vacant	stating	procured	regarding
violin	strawberries	profit	registered
89%		proof	remedy
accident	suggested	qualities	remit
across	supervision	quoted	republican
activity	that's	received	salesman
agreeable	type	reference	sincere
	volume		

slippery	crowded	83%	illustration
superior	examination		manufacturing
telegram	fabric		official
toward	furniture		operated
universal	hustling		operating
urge	influence		subscription
weren't	journal		transfer
we've	library		various
worried	loose		
yoke	neighborhood	STEP 9—79%	
you'd	politics		
	positive	81%	
	premises		acceptance
STEP 8—84%	quote		acquire
	senior		choosing
86%	shipped		constantly
accordance	shoulder		convinced
ambitious	signature		daddy
bracelet	stationary		dependent
carrying	strictly		duplicate
companies	surprise		examiner
customer	terrible		February
democrat	truly		graduating
description	utmost		individual
development	whether		its
easily			lining
effect			lose
entry			merchandise
equally	84%		particularly
examine	advice		science
exception	allowed		timothy
finally	attractive		
forwarded	authorized	80%	
handkerchief	bog		admission
honorable	capital		associated
inclosing	confident		assume
lovingly	couldn't		assurance
medicine	described		commission
missed	destroyed		confer
obliged	etc.		congratulation
Prof.	experience		decision
really	foreign		enormous
receive	heir		enrollment
reservation	illustrating		equipment
resigned	instrument		exceptional
straight	Latin		exhibit
strict	literary		explanation
using	meant		extreme
usual	operation		forenoon
voting	opinion		genuine
wouldn't	pardon		hasn't
	patent		hauled
85%	patient		isn't
auditor	possession		jobber
brief	prosperity		label
chose	satisfy		nervous
concerning	stomach		patron
contemplating	tatting		
cordial	transit		

The Iowa Spelling Scales

practical	mamma	excellent	exhibition
regularly	ninety	exclusively	hastily
responsibility	organization	merit	original
succeed	prosperous	necessary	preliminary
supervisor	successful	quantity	specification
79%	sympathy	reliability	
appreciate		response	STEP 11—66%
assistance		separate	
ballot			69%
bass			acquainted
candidate	applicant	aren't	correspondent
certificate	electricity	choir	disappointed
Christian	excitement	commissioner	epidemic
civics	familiar	committee	inferior
distribution	heretofore	co-operative	license
executed	immediate	extension	sincerely
hers	merely	inquiry	specially
inducement	orchestra	meter	
legislation	physical	ninth	68%
magazine	planned	possibility	athletics
maturity	preparation	practicing	doesn't
maybe	presence	renewal	exceptionally
principal	receiving	safety	mechanical
readily	relieved	straightened	occasion
registration	requirement	succeeded	passed
unusual	similar		probably
78%	variety		
advertised	vary		67%
appreciated			allotment
assigned			announcement
assistant	advisable	appearance	authority
bargain	algebra	capacity	bonus
believing	associate	community	definite
clothe	awfully	confirming	efficient
confirm	carnival	corporation	essential
control	co-operation	notary	exhausted
cushion	disease	usually	librarian
formerly	Dr.		nickel
interfere	employee	71%	personally
pleasant	mere	administrator	planning
relieve	naturally	amendment	professional
resource	necessity	attendance	regretting
surprised	sense	coarse	remittance
talent	Tues.	compliment	sufficient
worrying	welfare	cordially	
77%		customary	66%
actually		installment	absolutely
consequently	74%		consultation
correspond	advertising	niece	ere
coupon	alfalfa	soliciting	good-bye
crochet	appreciating	surgery	quantities
demonstrated	basis		receipt
demonstration	benefit	70%	unnecessary
disgusted	campaign	advertisement	
haven't	catalogue	appreciation	65 %
imagine	congratulate	arrangement	barely
	consequence	assignment	communication
	conservatory	based	completely
	especially	bureau	executive

extremely	59%	53%	43%
financial	enthusiastic	pneumonia	guarantee
inquiries	lieutenant	referred	rheumatism
literature	unusually	58%	42%
representative	58%	satisfactorily	appendicitis
64%	all right	61%	Hallowe'en
calendar	alumni	bulletin	41%
leisure	anticipate	disappointment	conveniently
opportunity	assessment	grateful	enthusiasm
solicit	candidacy	referring	guaranteed
63%	continuous	50%	occasionally
annually	fundamental	apparatus	39%
practically	geometry	co-operating	accommodate
semester	girly	inconvenience	peculiarities
superintendent	physician	judgment	38%
62%	possess	rec'd	schedule
STEP 12—58%	thoroughly	49%	STEP 15—34%
client	56%	efficiency	37%
convenient	accompanying	inst.	definitely
council	acquaintance	remembrance	fraternally
immense	auntie	48%	35%
permanent	originally	grippe	anniversary
principle	recommendation	prior	34%
61%	55%	47%	zeph. ^r
accredited	anticipating	affectionately	33%
characteristic	circuit	46%	chautauqua
courteous	disappoint	politician	X-ray
losing	equipped	tuberculosis	31%
scientific	immediately	STEP 14—42%	canvass
60%	STEP 13—50%	45%	STEP 16—27%
analysis	64%	affidavit	28%
correspondence	confirmation	44%	phosphorus
mortgage	materially	ingredients	
Sabbath	recommend	privilege	
	thesis		



APPENDIX

EXHIBIT A

Set I, list 1 illustrates the form in which words were sent to the various schools.

Iowa Spelling List—1-1

1 and	26 recently	51 fraternally	76 attractive
2 me	27 pupil	52 broke	77 management
3 some	28 correct	53 cake	78 toy
4 think	29 walk	54 blood	79 singing
5 say	30 Dr.	55 renewal	80 forenoon
6 each	31 happen	56 confident	81 durable
7 way	32 top	57 colored	82 per cent
8 great	33 window	58 roll	83 kitten
9 put	34 shipping	59 clock	84 plow
10 picture	35 wife	60 forced	85 faster
11 market	36 standard	61 outfit	86 breaking
12 folk	37 printed	62 thorough	87 brand
13 real	38 fifty	63 waste	88 soap
14 sorry	39 cream	64 grown	89 calendar
15 leave	40 recommend	65 stick	90 anniversary
16 aunt	41 prior	66 deep	91 extreme
17 credit	42 crowd	67 organized	92 possess
18 supply	43 forwarded	68 exceptional	93 kinder
19 street	44 cool	69 weigh	94 slept
20 profit	45 rush	70 applicant	95 dice
21 begin	46 represented	71 porch	96 federal
22 net	47 publication	72 staying	97 insert
23 May	48 blow	73 instructed	98 likewise
24 brought	49 fixed	74 slightly	99 identify
25 Oct.	50 newspaper	75 tie	100 daddy

EXHIBIT B

Instructions sent with spelling material to all cooperating teachers.

INSTRUCTIONS TO TEACHERS

This work is a part of a state wide effort to grade a list of most commonly used words. The success of the work will depend upon the accuracy with which you and all other teachers follow these directions.

Please have your pupils spell one list each day; 100 words if you are teaching grades V to VIII and 50 words if you are teaching grades II, III or IV. Pronounce each word distinctly and make sure that each child understands the word. Give a short illustrative sentence in all cases where different words have the same or similar pronunciation. The words are to be given without previous study or drill of any kind. Give plenty of time but no assistance.

Have the work done with pencil, on paper of uniform size, writing two columns on a page but do not write on both sides of the paper. The child should write his name, sex, age, and grade and the name of his school and city at the top of each sheet. Pronounce the words in order numbered and have the pupils number the words as they write them. This is very important.

Impress upon the children that in case of an error, they are to draw a line through the word and write it correctly above or beside the misspelled word. Words in which one letter has been written over another will be counted wrong, as it is almost impossible to know which was the child's final decision on the spelling.

It is recognized that in the lower grades many of these words are quite unfamiliar to the children and that a large proportion of the pupils will not be able to spell most of the words in the list. The only way, however, to find out what words the children can spell and what words they cannot spell is to give them the opportunity to attempt to spell all the words. Keep them just as happy in the effort as possible by telling them that other boys and girls of the same grade are trying to spell the same words in other schools in Iowa. If you are teaching in grade II or III, it will probably be better to pronounce 25 words in the forenoon and 25 in the afternoon than to give all 50 at once.

If your pupils are in grades VI, VII, or VIII, will you please assist in the scoring by having a few of the stronger pupils detailed each day to check the papers of all members of the class. Caution them that they are not to mark the word in any way but only make a cross through the number of the word which is misspelled. Four children can correct the papers for a room in twenty to thirty minutes and you will doubtless have no difficulty in finding some of the pupils who will very gladly do this.

The papers are to be collected each day and tied together. At the end of the ten days, the ten bunches of papers which represent the ten days' spelling of the pupils in your room, are to be sent tied in a single package to your superintendent. He will then forward these papers with all others from your city to the Extension Division. The Extension Division will score the papers from the lower grades and tabulate the spellings from all contributing schools and return the results to your Superintendent.

To the extent that these instructions are carefully followed and your co-operation secured will the results be of value to all the schools of the state. Please give the work your best effort but do not attempt to improve the spelling of the children of your room on these words by assisting them in their spelling in any way.

EXHIBIT C

Cities Co-operating in Spelling Study

Adair	Denison	Lake View	Oskaloosa
Algona	Dunlap	Lansing	Ottumwa
Ames	Eddyville	La Porte City	Pella
Belle Plaine	Eldon	Le Mars	Pocahontas
Belmond	Fairfield	Lineville	Postville
Bloomfield	Glenwood	Manilla	Red Oak
Bonaparte	Grinnell	Manson	Reinbeck
Boone	Griswold	Marengo	Remsen
Britt	Guttenburg	Marshalltown	Rockford
Buffalo Center	Hampton	Montezuma	Rockwell City
Burlington	Hartley	Monticello	Rolfe
Carroll	Hawarden	Moulton	Sheldon
Casey	Hopkinton	Muscatine	Sidney
Centerville	Humboldt	Nashua	Sigourney
Chariton	Humeston	Nevada	Sioux Center
Charles City	Ida Grove	New Hampton	Spirit Lake
Cherokee	Independence	New London	State Center
Clarinda	Inwood	New Sharon	Stuart
Clarion	Iowa City	Newton	Toledo
Clinton	Jewell	Northwood	Waterloo, E.
Corning	Keokuk	Oakland	Waukon
Corydon	Keosauqua	Oelwein	What Cheer
Council Bluffs	Kingsley	Orange City	Williamsburg
Cresco	Knoxville	Osage	Woodbine
Davenport	Lake Mills		





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